

REDACTED VERSION

PLM SOIL SAMPLING ANALYTICAL RESULTS
MAY 1-29, 1997



Attn.: Barbara Storey
Ecology & Environment, Inc.
 11550 Newcastle Ave. #250
 Baton Rouge, LA 70816

REC'D FEB 03 1998

Thursday, May 01, 1997

Ref Number: TX971473

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		% FIBROUS	% NONFIBROUS
WBS180 G02A	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite				98% Other
WBS180 G03		Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS332 G01		Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS332 G02		Tan Non-Fibrous Homogeneous	Teased	None Detected				100% Other
WBS332 G03		Tan Non-Fibrous Homogeneous	Teased	2% Chrysotile				98% Other
WBS332 G04		Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other

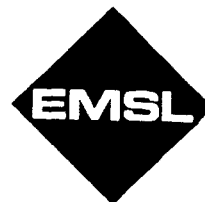
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Carlos D. Salinas
 Analyst

Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106).



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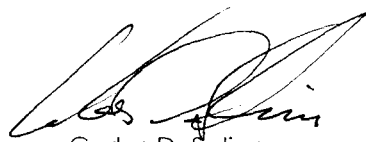
Performed by EPA 600/R-93/116 Method*

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>		
				%	TYPE	%	FIBROUS	% NONFIBROUS
WBS332 G05	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS755 G05		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

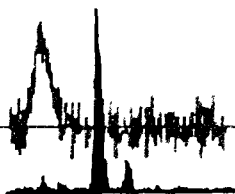
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**OFFICIAL
CHAIN OF CUSTODY RECORD**

TX971473

PROJ. NO.		PROJECT NAME				NO. OF CON- TAINERS	REMARKS					
SAMPLERS: (Signature)												
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION							
WBS 180602a	04-28-97	1030	X		(b) (6)	1	X				EPA Tag # 6-008973	
WBS 180603	04-28-97	1035	X		↓	1	X				6-008974	
WBS 332601		1140	X		(b) (6)	1	X				6-008975	
WBS 332602		1145	X		↓	1	X				6-008976	
WBS 332603		1150	X		↓	1	X				6-008977	
WBS 332604		1155	X		↓	1	X				6-008978	
WBS 332605		1200	X		↓	1	X				6-008979	
WBS 755605		1530	X		(b) (6)	1	X				6-008980	
<div style="position: relative; width: 100%; height: 100%;"> Amanda Room </div>												
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)		
Amanda Room		04-28-97 1800										
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)		
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks				
						4/29/97 WAM		Fed EX				
Shipped by:				Airbill Number:		2252236066						

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant



Attn.: Barbara Storey
Ecology & Environment, Inc.
 11550 Newcastle Ave. #250
 Baton Rouge, LA 70816

Friday, May 02, 1997

Ref Number: TX971516

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS832G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	4%	Chrysotile		96% Other
WBS832G02		Brown Non-Fibrous Homogeneous	Teased	3%	Chrysotile		97% Other
WBS832G03		Brown Non-Fibrous Homogeneous	Teased	10%	Chrysotile		90% Other
WBS832G04		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS833G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS833G02		Brown Fibrous Homogeneous	Teased	15%	Chrysotile		85% Other

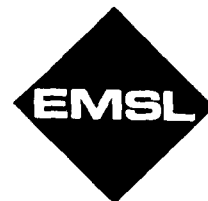
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

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Ref Number: TX971516

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS		%
				%	TYPE		FIBROUS	NONFIBROUS	
WBS833G03	(b) (6)	Brown Fibrous Homogeneous	Teased	18%	Chrysotile			82%	Other
WBS833G04		Brown Fibrous Homogeneous	Teased	12%	Chrysotile			88%	Other
WBS166G01		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100%	Other
WBS166G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100%	Other
WBS166G03		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100%	Other
WBS682G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100%	Other

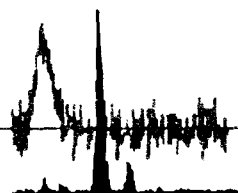
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Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS		
				%	TYPE	%	FIBROUS	% NONFIBROUS
WBS682G02	(b) (6)	Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS682G03		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS682G04		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						

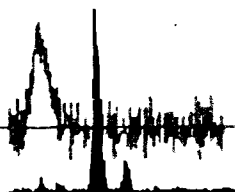
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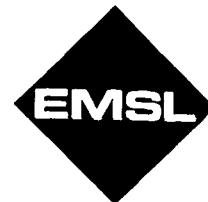


**OFFICIAL
CHAIN OF CUSTODY RECORD**

TX971516

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos		NO. OF CONTAINERS		REMARKS											
SAMPLERS: (Signature) Alma Keller, Amanda Lorie, Gregory Rlay																	
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	EPA Tag #											
WBS832 G01	4-29 97	1405	X		(b) (6)	1	X									6-008208	
WBS832 G02	4-29 97	1410	X		↓	1	X									6-008209	
WBS832 G03	4-29 97	1415	X			1	X									6-008210	
WBS832 G04	4-29 97	1420	X			1	X									6-008211	
WBS833 G01	4-29 97	1500	X			1	X									6-008212	
WBS833 G02	4-29 97	1450	X		↓	1	X									6-008213	
WBS833 G03	4-29 97	1440	X			1	X									6-008214	
WBS833 G04	4-29 97	1430	X			1	X									6-008215	
WBS166 G01		1450	X			(b) (6)	1	X									6-008216
WBS166 G02		1455	X		↓	1	X									6-008217	
WBS166 G03		1500	X			1	X									6-008218	
WBS1682 G01		1710	X			(b) (6)	1	X									6-008229
WBS1682 G02		1720	X			1	X										6-008230
WBS1682 G03		1725	X		↓	1	X									6-008231	
WBS1682 G04		1730	X			1	X										6-008232
Relinquished by: (Signature) Gregory Rlay			Date / Time 4/29/97 1830		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)				
Relinquished by: (Signature)			Date / Time		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)				
Relinquished by: (Signature)			Date / Time		Received for Laboratory by: (Signature) J. M. Gonzales			Date / Time 4.30.97 10:00		Remarks Fed-EX Airbill # 2252236081							
Shipped by:					Airbill Number:												

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant



Attn.: Barbara Storey
Ecology & Environment, Inc.
 11550 Newcastle Ave. #250
 Baton Rouge, LA 70816

Friday, May 02, 1997

Ref Number: TX971517

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS682G05	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS682G06		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS693G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS693G02		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS693G03		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS693G04		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other

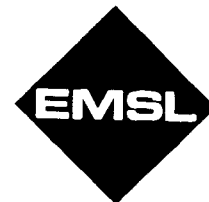
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Arthur Hernandez, Jr.
 Analyst

Approved
 Signatory

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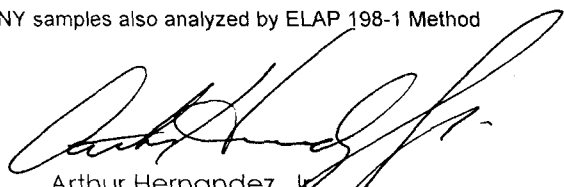
Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		%	<u>NONASBESTOS</u>	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS693G05	(b) (6)	Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS693G06		Brown	Teased	2% Chrysotile				98% Other
		Non-Fibrous						
		Homogeneous						
WBS693G07		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS672G01		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS672G02		Brown	Teased	None Detected				100% Other
		Non-Fibrous						
		Homogeneous						
WBS672G03		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						

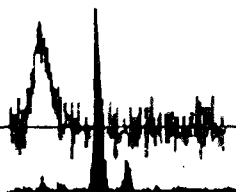
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OFFICIAL
CHAIN OF CUSTODY RECORD

TX971517

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos				NO. OF CON- TAINERS	REMARKS EPA Tag #														
SAMPLERS: (Signature) Gregory R Day Alma Filleri																					
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION																
WBS682 G05	04-29-97	1735	X		(b) (6)	1	X										6-008233				
WBS682 G06		1740	X			1	X										6-008234				
WBS693 G01		1720	X		(b) (6)	1	X										6-008219				
WBS693 G02		1725	X			1	X										6-008220				
WBS693 G03		1730	X			1	X										6-008221				
WBS693 G04		1735	X			1	X										6-008222				
WBS693 G05		1745	X			1	X										6-008223				
WBS693 G06		1755	X			1	X										6-008224				
WBS693 G07		1805	X			1	X										6-008228				
WBS672 G01		1750	X		(b) (6)	1	X										6-008225				
WBS672 G02		1755	X			1	X										6-008226				
WBS672 G03		1800	X			1	X										6-008227				
A. Filleri						A. Filleri						A. Filleri									
Relinquished by: (Signature) Gregory R Day						Date / Time 4/29/97 1800		Received by: (Signature)						Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)						Date / Time		Received by: (Signature)						Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)						Date / Time		Received for Laboratory by: (Signature) Alma Filleri						Date / Time 4-30-97 10:00		Remarks FedEx airbill # 2252236070					
Shipped by:						Airbill Number:															

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;

Green to Report; Yellow Returns with Warrant

Westmont, NJ
609-858-4800

Piscataway, NJ
908-981-0550

Carle Place, NY
516-997-7251

Manhattan, NY
212-290-0052

Seattle, WA
203-233-9007

Ann Arbor, MI
313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 02, 1997

Ref Number: TX971522

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	NONFIBROUS
WBB1143G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS546G01		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile < 1% Crocidolite			100% Other
WBS546G02		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS546G03		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS546G04		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS546G05		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other

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Analyst


Approved
Signatory

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Project: 020601RAG1 WESTBANK ASBESTOS

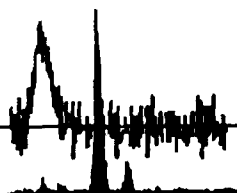
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS163G04	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS421G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS421G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS165G06		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite			98% Other
WBS842G01		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite			98% Other
WBS842G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

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Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.





Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 02, 1997


Ref Number: TX971522

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

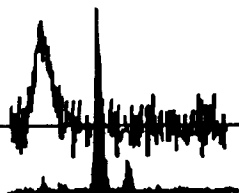
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS842G03	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS842G04		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite		98% Other
WBS842G05		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



OFFICIAL
CHAIN OF CUSTODY RECORD

TX971522

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos				NO. OF CONTAINERS		REMARKS									
SAMPLERS: (Signature) <i>Alfred L. L...</i> <i>Kathy / Susan Amanda K...</i>																	
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION			EPA Tag #									
WBS 1143G01	04-30 97	0830	X		(b) (6)	1	X										6-008902
WBS 546G01	04-30 97	0955	X			1	X										6-008235
WBS 546G02	04-30 97	1000	X			1	X										6-008236
WBS 546G03	04-30 97	1005	X			1	X										6-008237
WBS 546G04	04-30 97	1010	X			1	X										6-008238
WBS 546G05	04-30 97	1014	X	X		1	X										6-008239
WBS 163G04	04-30 97	1310	X		(b) (6)	1	X										6-008240
WBS 421G01	04-30 97	1419	X			1	X										6-008241
WBS 421G02	04-30 97	1422	X			1	X										6-008242
WBS 165G06	04-30 97	1447	X		(b) (6)	1	X										6-008243
WBS 842G01	04-30 97	1545	X			1	X										6-008244
WBS 842G02	04-30 97	1550	X			1	X										6-008245
WBS 842G03	04-30 97	1540	X			1	X										6-008246
WBS 842G04	04-30 97	1540	X			1	X										6-008247
WBS 842G05	04-30 97	1545	X			1	X										6-008248
Relinquished by: (Signature) <i>A. L...</i>		Date / Time 04-30-97 1701		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature) <i>Maya...</i>		Date / Time 5-1-97 9:30		Remarks Fed-EX Airbill # 2252236022									
Shipped by:				Airbill Number:													

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/1/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/2/97

9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971522

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous					
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Anthophyllite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	<div style="display: flex; justify-content: space-between;"> <div> 1. Wavy 2. Straight 3. Specify </div> <div> 1. Low 2. Med 3. High </div> <div> 1. Yes 2. No </div> </div>				
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers			
WBS1143		1		ND			7	100			IR	B
1	G01	2	1								M	S
		1									P	E
WBS546		1		1. Chry, < 10%			7	100		1.5	IR	B
	G01	2	1	6. Croc, < 10%							M	S
		1									P	E
3	WBS546	1		ND			7	100			IR	B
	G02	2	1								M	S
		1									P	E
WBS546		1		ND			7	100			IR	B
	G03	2	1								M	S
		1									P	E
5	WBS546	1		ND			7	100			IR	B
	G04	2	1								M	S
		1									P	E
WBS546		1		1. Chry, < 10%			7	100			IR	B
	G05	2	1								M	S
		1									P	E
7	WBS163	1		1. Chry, < 10%			7	100			IR	B
	G04	2	1								M	S
		1									P	E
WBS421		1		1. Chry, < 10%			7	100			IR	B
	G01	2	1								M	S
		1									P	E

Analyst: [Signature] Date: 5/2/97 Computer: _____ Date: _____

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/1/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/2/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971522

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non-Fibrous		#			
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	1. Wavy	1. Low	1. B	1. Wavy	1. Low	1. B
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2. Straight	2. Med	2. S	2. Straight	2. Med	2. S
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool	3. Gypsum	3. Specify	3. High	3. E	3. Specify	3. High	3. E
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	1. Yes	1. P-O	1. P-O	1. Yes	1. P-O	1. P-O
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	2. No	2. Specify	2. Specify	2. No	2. Specify	2. Specify
					6. Crocidolite	6. Wollastonite	6. Perlite						
					0. None Detected	7. Hair	7. Other						
Sample	Location	Appearance	Treatment	% ASBESTOS	Type	%	Type	%	Layers				
9 WBS421		3	1	1. Chry, < 10%			7	100	1.5	IR	B	1.5	IR
G02		2							2	M	S	2	M
WBS165		3		1. Chry, 2			7	98	1.5	IR	B	1.5	IR
G06		2	1	6. Croc, < 10%					2	M	S	2	M
WBS842		3		1. Chry, 2			7	98	2	P	E	2	P
G01		1	1	6. Croc, < 10%					IR	B		IR	B
WBS842		3		1. Chry, < 10%			7	100	M	S		M	S
G02		2	1						P	E		P	E
WBS842		3		1. Chry, < 10%			7	100	IR	B		IR	B
G03		2	1						M	S		M	S
WBS842		3		1. Chry, 2			7	98	P	E		P	E
G04		2	1	6. Croc, < 10%					IR	B		IR	B
WBS842		3		1. Chry, < 10%			7	100	M	S		M	S
G05		2	1						P	E		P	E
									IR	B		IR	B
									M	S		M	S
									P	E		P	E

Analyst:

Date:

Computer:

Date:



Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 05, 1997


Ref Number: TX971545

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
WBS335G01	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS335G02		Tan Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS099G03		Tan Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS099G04		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS335G03		Tan Non-Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite		98% Other
WBS329G01		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 05, 1997

Ref Number: TX971545

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

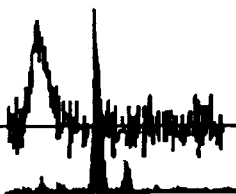
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS329G02	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS329G03		Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Carlos D. Salinas
Analyst

Approved
Signatory

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OFFICIAL
CHAIN OF CUSTODY RECORD

TX971545

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos		NO. OF CONTAINERS		REMARKS	
SAMPLERS: (Signature) Alma Ritten <i>Gregory Ritten</i> Amanda Young							
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION		EPA Tag #
WB5 335621	05-01-97	0945	X		(b) (6)	1	6-008251
WB5 335622	05-01-97	1025	X		↓	1	6-008252
WB5 099	05-01-97	0930	X		(b) (6)	1	6-008249
WB5 099	05-01-97	0930	X		↓	1	6-008250
WB5 335623	05-01-97	1030	X		(b) (6)	1	6-008253
WB5 335624	05-01-97	1559	X		↓	1	6-008254
WB5 335625	05-01-97	1555	X		↓	1	6-008255
WB5 335626	05-01-97	1604	X		↓	1	6-008256
<div style="display: flex; justify-content: space-around;"> <div><i>A. Ritten</i></div> <div><i>G. Ritten</i></div> </div>							
Relinquished by: (Signature) <i>Gregory Ritten</i>		Date / Time 5/1/97 1700		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Shipped by: FED Ex		Date / Time 5/29/10:00		Received by: (Signature) <i>Alma Ritten</i>		Remarks	
		Airbill Number: 225 2235996					

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/2/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/5/97

9:00 AM

Fax: (504) 363 - 4732

Special Handling

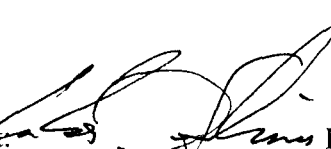
Billing Number

TX971545

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non-Fibrous			
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	1. Wavy	1. Yes	1. Low	1. B
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2. Straight	2. No	2. Med	2. S
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Anthophyllite	3. Min. Wool	3. Gypsum	3. Specify		3. High	3. E
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate				
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix				
					6. Crocidolite	6. Wollastonite	6. Perlite				
					0. None Detected	7. Hair	7. Other				

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers		
1. WBS335		3	1	1. Chry, < 1%			7	100	1.549	IR	B
GO1		2								M	S
WBS335		3	1	ND			7	100	2	IR	B
GO2		2								M	S
WBS099		3	1	ND			7	100		P	E
GO1		2								IR	B
WBS099		3	1	1. Chry < 1%			7	100	1.549	IR	B
GO2		2								M	S
WBS335		3	1	1. Chry, 2			7	98	1.549	IR	B
GO3		2		6. Croc, < 1%						M	S
WBS329		3	1	1. Chry, < 1%			7	100	1.549	IR	B
GO1		2								M	S
WBS329		3	1	1. Chry, < 1%			7	100	1.549	IR	B
GO2		2								M	S
WBS329		3	1	1 Chry, < 1%			7	100	1.549	IR	B
GO3		2								M	S

Analyst: 

Date: 5/5/97

Computer: _____

Date: _____

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Tuesday, May 06, 1997


Ref Number: TX971567

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS			NONASBESTOS	
				%	TYPE	%	FIBROUS	NONFIBROUS
WBS918G01	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS918G02		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS833G05		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS833G06		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS833G07		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS833G08		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Tuesday, May 06, 1997


Ref Number: TX971567

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS833G09	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS833G10		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS806G01		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS972G01		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS972G02		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS972G03		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

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OFFICIAL
CHAIN OF CUSTODY RECORD

TX971567

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos		NO. OF CON- TAINERS		REMARKS	
SAMPLERS: (Signature) Alma Riller							
STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	EPA Tag #	
WBS918 G01	5/2/97	1049	✓		(b) (6)	1	6-008257
WBS918 G02		1055	✓		↓	1	6-008258
WBS933 G05		1120	✓		(b) (6)	1	6-008258
WBS933 G06		1125	✓			1	6-008260
WBS933 G07		1130	✓			1	6-008261
WBS933 G08		1130	✓			1	6-008262
WBS933 G09		1140	✓		↓	1	6-008263
WBS933 G10		1140	✓		↓	1	6-008264
WBS806 G01		1550	X		(b) (6)	1	6-008265
WBA333 LF1		0804- 1618				1	6-008266 Volume = 1303.17
WBA333 LF2		0802- 1617			↑	1	6-008267 Volume = 1093.18
WBS972 G01		1735	X		(b) (6)	1	6-008268
WBS972 G02		1738	X		↓	1	6-008269
WBS972 G03		1740	X		↓	1	6-008270
Alma Riller							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Alma Riller		05-02-97 1810					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time	
				Alma Riller			
Shipped by: Fed Ex				Airbill Number:			
				Remarks: Fed-EX airbill # 2252236092			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/5/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/6/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971567

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous		
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1 Low
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica		2 Med
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool	3. Gypsum		3 High
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal Carbonate	M	S
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	1 Ways	1 -
					6. Crocidolite	6. Wollastonite	6. Perlite	2 Straight	2 -
					0. None Detected	7. Hair	7. Other	3 Specific	3 -
								P	F
								1 Yes	1 -
								2 No	2 P.O.
									3 Specific

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers
1 WBS918		3		1. Chry, < 1%			7	100	1.549 IIR (SSB) B
1 G01		2	1						M S
		1							2 P E
WBS918		3		1. Chry, < 1%			7	100	1.556 IIR (SSB) B
G02		2	1						M S
		1							2 P E
3 WBS833		3		1. Chry, < 1%			7	100	IIR B
3 G05		2	1						M S
		1							P E
WBS833		3		1. Chry, < 1%			7	100	IIR B
G06		2	1						M S
		1							P E
5 WBS833		3		1. Chry, < 1%			7	100	IIR B
5 G07		2	1						M S
		1							P E
WBS833		3		1. Chry, < 1%			7	100	IIR B
G08		2	1						M S
		1							P E
7 WBS833		3		1. Chry, < 1%			7	100	IIR B
7 G09		2	1						M S
		1							P E
WBS833		3		1. Chry, < 1%			7	100	1.549 IIR (SSB) B
G10		2	1						M S
		1							2 P E

Analyst

Date: 5/6/97

Computer:

Date:

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/5/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/6/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling


Billing Number

TX971567

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous
1 Brown	6 Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz
2 Grey	7 Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica
3 Tan	8 Silver	3. Other	3. Other	3. Dissolved	3. Anthophyllite	3. Min. Wool	3. Gypsum
4 White	9 Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate
5 Red	0 Orange				5. Actinolite	5. Other	5. Matrix
					6. Crocidolite	6. Wollastonite	6. Perlite
					0. None Detected	7. Hair	7. Other

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers
9 WBS806		3		1. Chry, < 1%			7100		1.54 IIR
G01		2	1						(M) 1 S
		1							2 P 1 E
WBS972		3		1. Chry, < 1%			7100		1 IIR B
G01		2	1						M S
		1							P E
WBS972		3		1. Chry, < 1%			7100		1 IIR B
G02		2	1						M S
		1							P E
WBS972		3		1. Chry, < 1%			7100		1.54 IIR
G03		2	1						(M) 1 S
		1							2 P 1 E
									1 IIR B
									M S
									P E
									1 IIR B
									M S
									P E
									1 IIR B
									M S
									P E

Analyst: 

Date: 5/6/97

Computer: _____

Date: _____



Attn.: Barbara Storey
Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Wednesday, May 07, 1997

Ref Number: TX971596

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS425G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS425G02		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS425G03		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS425G04		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS340G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS340G02		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106).



Attn.: Barbara Storey
Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Wednesday, May 07, 1997

Ref Number: TX971596

POLARIZED LIGHT MICROSCOPY (PLM)

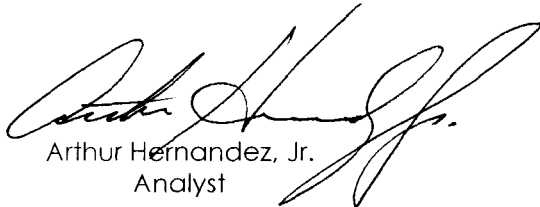
Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS426G01	(b) (6)	Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS426G02		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS633G01		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS633G02		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						

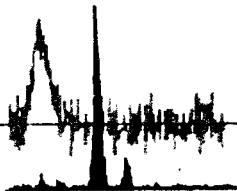
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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OFFICIAL
CHAIN OF CUSTODY RECORD

TX9M1596

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos			NO. OF CONTAINERS		REMARKS										
SAMPLERS: (Signature) <i>Alma Riller, Gregory R. Day, Amanda L. Hoon</i>																	
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION										EPA Tag #		
WBS 425601	05-05-97	0945	X		(b) (6)	1	X								6-008286		
WBS 425602		0956	X			1	X								6-008287		
WBS 425603		0950	X			1	X								6-008288		
WBS 425604		0955	X			1	X								6-008289		
WBS 340601		1342	X		(b) (6)	1	X								6-008291		
WBS 340602		1344	X			1	X								6-008292		
WBS 426601		1300	X		(b) (6)	1	X								6-008101		
WBS 426602		1310	X			1	X								6-008103		
WBS 633601		1650	X		(b) (6)	1	X								6-008293		
WBS 633602		1655	X			1	X								6-008294		
WBA 177LF1		0843-1309		X	(b) (6)	1	X	X							6-008301 Volume = 1327.8L		
WBA 177LF2		0839-1705		X		1	X	X							6-008302 Volume = 102.8L		
Relinquished by: (Signature) <i>Amanda L. Hoon</i>		Date / Time 05-05-97/1800		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature) <i>Stephanie Lynn</i>		Date / Time 5-6-97 9:30		Remarks Fed Ex 2252235985									
Shipped by:				Airbill Number:													

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 08, 1997


Ref Number: TX971658

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

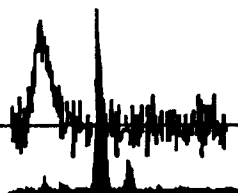
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS419G01	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS419G02		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS177G01		Grey Fibrous Homogeneous	Teased	8%	Chrysotile			92% Other
WBS177G02		Grey Fibrous Homogeneous	Teased	15%	Chrysotile			85% Other
WBS177G03		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS177G04		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



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Carle Place, NY
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203-233-9007

Ann Arbor, MI
313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 08, 1997


Ref Number: TX971658

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS177G05	(b) (6)	Grey Fibrous Homogeneous	Teased	20%	Chrysotile		80% Other
WBS177G06		Tan Non-Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS177G07		Tan Fibrous Homogeneous	Teased	8%	Chrysotile		92% Other
WBS177G08		Tan Fibrous Homogeneous	Teased	12%	Chrysotile < 1% Crocidolite		88% Other
WBS177G09		Tan Non-Fibrous Homogeneous	Teased	4%	Chrysotile		96% Other
WBS177G10		Tan Non-Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 08, 1997

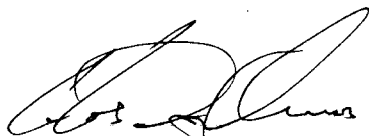
Ref Number: TX971658

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>		
				%	TYPE	%	FIBROUS	% NONFIBROUS
WBS949G01	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS949G02		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

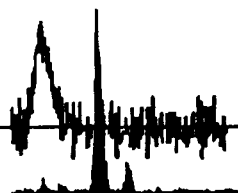
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.



Carlos D. Salinas
Analyst

Approved
Signatory

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TX971658

EPA 7500-53
(11/96)

6- 03815

PLM Analysis Worksheet

(C)

Client: Ecology & Environment, Inc.

Logged: 5/7/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/8/97

9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971658

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous			
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Anthophyllite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	1. Low 2. Med 3. High	1. S 2. - 3. Specify	1. Yes 2. No 3. Specify
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers	
1 WBS419 G01	(b) (6)	3 2	1	1. Chry, < 1%			7	100		1.5 (M) S 2.1 E
WBS419 G02	↓	3 2		1. Chry, < 1%			7	100		1.5 (M) S 2.1 E
3 WBS177 G01	(b) (6)	2 1	1	1. Chry, 8			7	92		1.1 (M) S 2.1 E
WBS177 G02	↓	2 1	1	1. Chry, 15			7	85		1.1 (M) S 2.1 E
5 WBS177 G03	↓	3 2	1	1. Chry, < 1%			7	100		1.1 (M) S 2.1 E
WBS177 G04	↓	3 2	1	1. Chry, < 1%			7	100		1.1 (M) S 2.1 E
7 WBS177 G05	↓	2 1	1	1. Chry, 20			7	80		1.1 (M) S 2.1 E
WBS177 G06	↓	3 2	1	1. Chry, 2			7	98		1.1 (M) S 2.1 E

Analyst: [Signature] Date: 5/8/97 Computer: _____ Date: _____

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/7/97

TAT: 24 Hour

(2)

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/8/97

9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971658

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous		
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Arthropylite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	<div> <div>1 Low 2 Med 3 High</div> <div> <div>1 Wavy 2 Straight 3 Specify</div> <div> <div>1 Yes 2 No</div> <div>1 Low 2 Med 3 High</div> </div> </div> </div>	
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers
9 WBS177		3	1	1. Chry, 8			7	92	1. SKY IIR 8561 M 1 2 1
G07		1							E
WBS177		3		1. Chry, 12			7	88	IIR B
G08		1	1	6. Croc, < 1%					M S
		1							P E
WBS177		3		1. Chry, 4			7	96	IIR B
G09		2	1						M S
		1							P E
WBS177		3		1. Chry, 2			7	98	IIR B
G10		2	1						M S
11 WBS949	(b) (6)	3		1. Chry, < 1%			7	100	IIR B
G01		2	1						M S
		1							P E
13 WBS949		3		1. Chry, < 1%			7	100	1. SKY IIR 8561 M 1 2 1
G02		2	1						E
		1							IIR B
									M S
									P E
									IIR B
									M S
									P E

Analyst: [Signature] Date: 5/8/97 Computer: _____ Date: _____

Westmont, NJ
609-858-4800

Piscataway, NJ
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516-997-7251

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313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 08, 1997

Ref Number: TX971660

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS423G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS423G02		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS423G03		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS971G01		Brown Non-Fibrous Homogeneous	Teased	None Detected				100% Other
WBS971G02		Brown Non-Fibrous Homogeneous	Teased	None Detected				100% Other
WBS333G01		Brown/White Non-Fibrous Homogeneous	Teased	None Detected				100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

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203-233-9007

Ann Arbor, MI
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San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 08, 1997

Ref Number: TX971660

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS333G02	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS333G03		Brown Non-Fibrous Homogeneous	Teased		< 1% Chrysotile			100% Other
WBS333G04		Brown Non-Fibrous Homogeneous	Teased		< 1% Chrysotile			100% Other
WBS333G05		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS333G06		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS333G07		Brown Non-Fibrous Homogeneous	Teased		< 1% Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 08, 1997

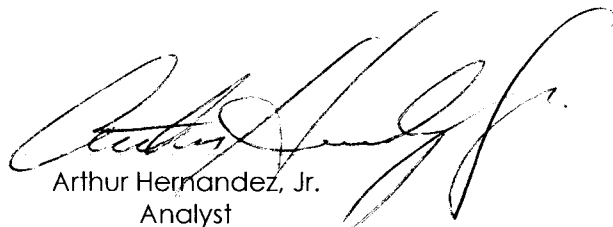
Ref Number: TX971660

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	NONFIBROUS
WBS333G08	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS333G09		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

ENVIRONMENTAL
OFFICIAL
CHAIN OF CUSTODY RECORD

TX971660

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos		NO OF CON- TAINERS		REMARKS	
SAMPLERS: (Signature) <i>Alma Miller</i>							
STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	EPA Tag #	
WBS 423601	05-03 97	1040	X		(b) (6)	1	X 6-008271
WBS 423602		1050	X			1	X 6-008272
WBS 423603		1050	X			1	X 6-008273
WBS 971601		1540	X		(b) (6)	1	X 6-008275
WBS 971602		1540	X			1	X 6-008276
WBS 333601		1620	X		(b) (6)	1	X 6-008277
WBS 333602		1630	X			1	X 6-008278
WBS 333603		1635	X			1	X 6-008279
WBS 333604		1640	X			1	X 6-008280
WBS 333605		1645	X			1	X 6-008281
WBS 333606		1700	X			1	X 6-008282
WBS 333607		1710	X			1	X 6-008283
WBS 333608		1725	X			1	X 6-008284
WBS 333609		1735	X			1	X 6-008285
Relinquished by: (Signature) <i>A. Miller</i>				Date / Time 05-03-97 1756		Received by: (Signature) <i>A. Miller</i>	
Relinquished by: (Signature)				Date / Time		Received by: (Signature)	
Relinquished by: (Signature)				Date / Time		Received by: (Signature)	
Relinquished by: (Signature)				Date / Time		Received by: (Signature)	
Shipped by:				Airbill Number:		Remarks Fed-EX airbill # 2252235974	

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/7/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/8/97

9:00 AM

Fax: (504) 363 - 4732

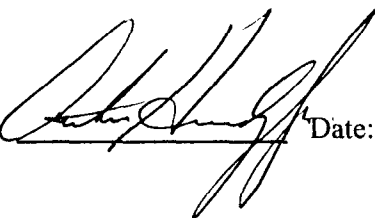
Special Handling

Billing Number

TX971660

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance			Treatment	Asbestos Results	Fibrous	Non-Fibrous			
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Anthophyllite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	<div style="display: flex; justify-content: space-between;"> <div> 1. Wavy 2. Straight 3. Specify </div> <div> 1. Low 2. Med 3. High </div> <div> 1. Yes 2. No </div> </div>		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers
WBS423 G01	(b) (6)	1 2 1	1	1. Chrysotile <10%			7	100%	1.59/586 M P E
G02	↓	1 2 1	1	1. Chrysotile <10%			7	100%	1.58/586 M P E
G03	↓	1 2 1	1	1. Chrysotile <10%			7	100%	1.58/586 M P E
WBS971 G01	(b) (6)	1 2 1	1	N.D.			7	100%	1.59/586 M P E
G02	↓	1 2 1	1	N.D.			7	100%	1.59/586 M P E
WBS 333 G01	(b) (6)	1,4 2 1	1	N.D.			7	100%	1.59/586 M P E
G02	↓	1 2 1	1	N.D.			7	100%	1.59/586 M P E
G03	↓	1 2 1	1	1. Chrysotile <10%			7	100%	1.59/586 M P E

Analyst: 

Date: 05-08-97

Computer: _____

Date: _____

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/7/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/8/97 9:00 AM

Fax: (504) 363 - 4732

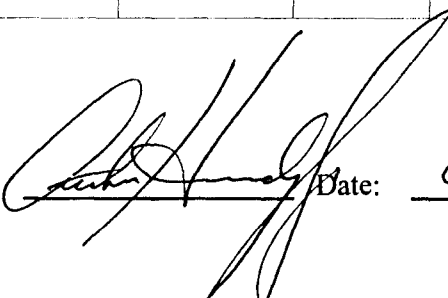
Special Handling

Billing Number

TX971660

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous			
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Arthropyllite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	1. Wavy 2. Straight 3. Specify	1. Low 2. Med 3. High	B
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers	
G04	(b) (6)	1 2 1	1	1. Chrysotile <1%			7	100%	1	1.549/1.556 M 2 P 1.549/1.556 M 2 P
G05		1 2 1	1	N.D.			7	100%	1	1.549/1.556 M 2 P
G06		1 2 1	1	N.D.			7	100%	1	1.549/1.556 M 2 P
G07		1 2 1	1	1. Chrysotile <1%			7	100%	1	1.549/1.556 M 2 P
G08		1 2 1	1	1. Chrysotile <1%			7	100%	1	1.549/1.556 M 2 P
G09		1 2 1	1	1. Chrysotile <1%			7	100%	1	1.549/1.556 M 2 P
										1.549/1.556 M 2 P
										1.549/1.556 M 2 P
										1.549/1.556 M 2 P

Analyst: 

Date: 05-08-97

Computer: _____

Date: _____

Westmont, NJ
609-858-4800

Piscataway, NJ
908-981-0550

Carle Place, NY
516-997-7251

Manhattan, NY
212-290-0052

Seattle, WA
203-233-9007

Ann Arbor, MI
313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 09, 1997


Ref Number: TX971661

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
TSW1	(b) (6)	Grey Fibrous Homogeneous	Teased	60% Chrysotile 2% Crocidolite			38% Other
WBS891G01		Tan Non-Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS334G02		Tan Non-Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS418G01		Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other
WBS418G02		Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other
WBS418G03		Tan Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos		NO OF CONTAINERS		PLM (asbestos)		PCM (air)		TEM (asbestos)		REMARKS	
SAMPLERS: (Signature) <i>Alma Rulliere Gregory R Day</i>												EPA Tag #	
STA. NO.	DATE	TIME	COM	GRAB	STATION LOCATION								
WBA177 P7A	05-06-97	0830-1248		X	(b) (6)	1	X						6-008298 V= 4003.92 L
WBA177 P1A		0815-1245		X		1	X						6-008299 V= 3990.60 L
WBA177 P5A		0834-1248		X		1	X						6-008300 V= 3851.94 L
TSW1				X		1	X						6-008313
TSW2				X		1		X					6-008314
WBS 391601	11-516	1430	X		(b) (6)	1	X						6-008328
WBA177 P5B		1250-1419		X		1	X						6-008329 V= 1328.77 L
WBS 334601		1545	X			1	X						6-008330 AR 5/6
WBS 334602		1540	X			1	X						6-008331
WBS 601		1620	X			1	X						6-008332
WBS 602		1625	X			1	X						6-008333
WBS 603		1628	X			1	X						6-008334
WBA177 P7B		1340-1653		X	(b) (6)	1	X						6-008336 V= 2883.42 L
WBA177 P11B		1338-1654		X		1	X						6-008337 V= 2896.88 L
WBA177 P5C		1430-1656				1	X						6-008338 V= 2179.78 L
Relinquished by: (Signature) <i>A. Rulliere</i>		Date / Time 05.06.97 1730		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature) <i>Alma Rulliere</i>		Date / Time 05-07-97 9:30		Remarks Fed-EX airbill # 2252235963 * For air samples "Flow" = "Volume (means)"					
Shipped by:				Airbill Number:									

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

At: Ecology & Environment, Inc.

Logged: 5/7/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/8/97

9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971661

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance			Treatment	Asbestos Results	Fibrous	Non-Fibrous			
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Arthropyllite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other			
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non-Fibrous Type	%	# Layers
TSW1		2	1	1. Chry, 60			7	38	159 1 M P 1 B S E
		1		6. Croc, 2					
		1							
WBS891 G01		3	1	1. Chry, 2			7	98	1 B S E
		2		6. Croc, < 1%					
		1							
WBS334 G02		3	1	1. Chry, 2			7	98	1 B S E
		2		6. Croc, < 1%					
		1							
WBS418 G01		3	1	1. Chry, < 1%			7	100	1 B S E
		2							
		1							
WBS418 G02		3	1	1. Chry, < 1%			7	100	1 B S E
		2							
		1							
WBS418 G03		3	1	1. Chry, < 1%			7	100	1 B S E
		2							
		1							
									1 B S E
									1 B S E

Analyst: [Signature] Date: 5/9/97 Computer: _____ Date: _____

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 09, 1997

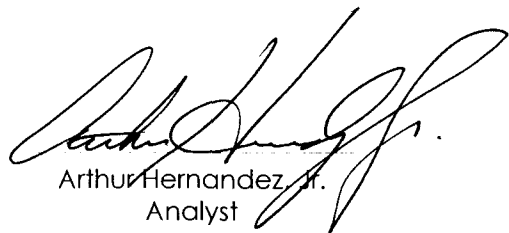
Ref Number: TX971670

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS334G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS177G11		Brown Fibrous Homogeneous	Teased	30%	Chrysotile		70% Other
WBS177G12		Brown Fibrous Homogeneous	Teased	30%	Chrysotile		70% Other
WBS177G13		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS177G14		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS177G15		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 09, 1997

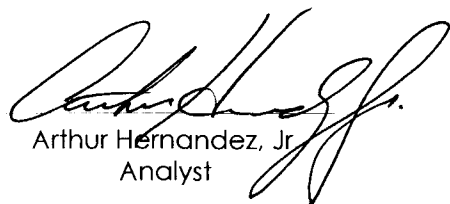
Ref Number: TX971670

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>		
				%	TYPE	%	FIBROUS	% NONFIBROUS
WBS177G16	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS177G17		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS892G01		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS892G02		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS433G01		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS433G02		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 09, 1997

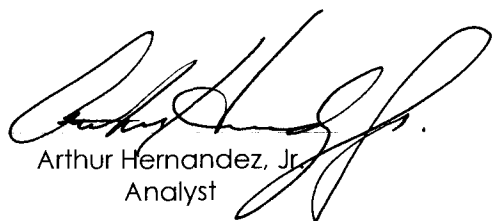
Ref Number: TX971670

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

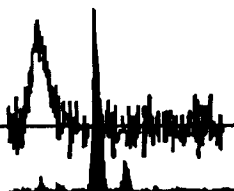
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>		
				%	TYPE	%	FIBROUS	% NONFIBROUS
WBS433G03	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS433G04		Brown Non-Fibrous Homogeneous	Teased		< 1% Chrysotile			100% Other
WBS433G05		Brown Non-Fibrous Homogeneous	Teased		< 1% Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL

CHAIN OF CUSTODY RECORD

PROJ. NO. 020601 RAGI		PROJECT NAME Westbank Asbestos		NO. OF CONTAINERS		REMARKS	
SAMPLERS: (Signature) <i>Alma Keller</i> <i>Gregory Ray</i>				STATION LOCATION		EPA Tag #	
STA. NO.	DATE	TIME	COMP	GRAB			
WBS337 G01	05-07-97	1055	✓		(b) (6)	✓	6-008339
WBS177 G11		1120	X			X	6-008340
WBS177 G12		1130	X			X	6-008341
WBS177 G13		1135	X			X	6-008342
WBS177 G14		1143	X			X	6-008343
WBS177 G15		1150	X			X	6-008344
WBS177 G16		1238	X			X	6-008345
WBS177 G17		1240	X			X	6-008346
WBS892 G01		1350	X		(b) (6)	X	6-008347
WBS892 G02		1355	X		(b) (6)	X	6-008348
WBS433 G01		1435	X		(b) (6)	X	6-008315
WBS433 G02		1440	X			X	6-008316
WBS433 G03		1445	X			X	6-008317
WBS433 G04		1450	X			X	6-008318
WBS433 G05		1455	X			X	6-008319
Relinquished by: (Signature) <i>A. Keller</i>		Date / Time 05-07-97 1513		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time	
Shipped by:				Airbill Number:		Remarks Fed Ex Airbill # 2252236000	

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

1

Client: Ecology & Environment, Inc.

Logged: 5/8/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/9/97

9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971670

Project: WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous	# Layers	
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Arthropylite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	1. Low 2. Med 3. High	
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers
WBS334	(b) (6)	1		N.D.				7 100%	1
G01		2	1						
WBS177		1		1. Chrysotile				7 70%	1.549/1.556
G11		1	1	30%					1 M 1 S
G12		1	1	1. Chrysotile				7 70%	1.549/1.556
		1		30%					1 M 1 S
G13		1	1	1. Chrysotile				7 98%	1.549/1.556
		1		2%					1 M 1 S
G14		1	1	1. Chrysotile				7 98%	1.549/1.556
		1		2%					1 M 1 S
G15		1	1	1. Chrysotile				7 100%	1.549/1.556
		2		< 1%					1 M 1 S
G16		1	1	1. Chrysotile				7 100%	1.549/1.556
		2		< 1%					1 M 1 S
G17		1	1	N.O.				7 100%	1.549/1.556
		2							1 M 1 S

Analyst:

Date:

05-09-97

Computer:

Date:

PLM Analysis Worksheet

(2)

Client: Ecology & Environment, Inc.

Logged: 5/8/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/9/97

9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971670

Project: WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous	# Layers	
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Arthropylite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	R 1. Low 2. Med 3. High	B 1. S 2. F 3. P 4. No
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers
WBS 892	(b) (6)	1		N.D.			7	100%	1
G01		2	1						
G02		1	1	N.D.			7	100%	1
WBS 433	(b) (6)	1		N.D.			7	100%	1
G01		2	1						
G02		1	1	N.D.			7	100%	1
G03		1	1	N.D.			7	100%	1
G04		1	1	1. Chrysotile < 1%			7	100%	1
G05		1	1	1. Chrysotile < 1%			7	100%	1

Analyst:

Date:

05-09-97

Computer:

Date:



Attn.: Barbara Storey
Ecology & Environment, Inc.
 11550 Newcastle Ave. #250
 Baton Rouge, LA 70816

Tuesday, May 13, 1997

Ref Number: TX971698

POLARIZED LIGHT MICROSCOPY (PLM)

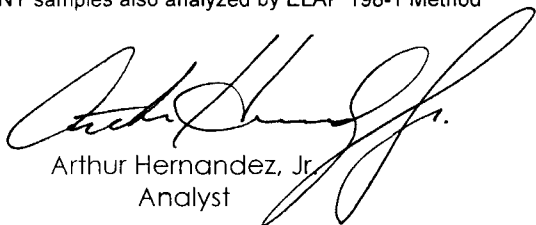
Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS439G01	(b) (6)	Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS439G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS439G03		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS438G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS429G01		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS429G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

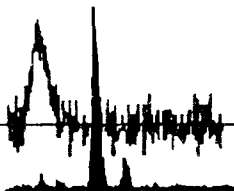
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method


 Arthur Hernandez, Jr.
 Analyst


 Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
 Analysis performed by EMSL of Houston (NVLAP Air and Bulk #102106).





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Ecology & Environment, Inc.
 11550 Newcastle Ave. #250
 Baton Rouge, LA 70816

Tuesday, May 13, 1997

Ref Number: TX971698

POLARIZED LIGHT MICROSCOPY (PLM)


Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS547G01	(b) (6)	Brown Fibrous Homogeneous	Teased	2%	Chrysotile			98% Other
WBS547G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS547G03		Tan Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite			98% Other
WBS547G04		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS547G05		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS547G06		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

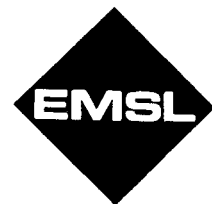
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method


 Carlos D. Salinas
 Analyst


 Approved
 Signatory

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Attn.: Barbara Storey
Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Tuesday, May 13, 1997

Ref Number: TX971698

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS436G01	(b) (6)	Tan	Teased	3%	Chrysotile		97% Other
		Non-Fibrous					
		Homogeneous					
WBS436G02		Tan	Teased	5%	Chrysotile		95% Other
		Non-Fibrous		< 1%	Crocidolite		
		Homogeneous					
WBS824G01		Tan	Teased	2%	Chrysotile		98% Other
		Non-Fibrous					
		Homogeneous					
WBS824G02		Tan	Teased	2%	Chrysotile		98% Other
		Non-Fibrous					
		Homogeneous					

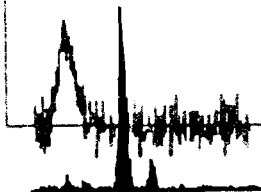
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Carlos D. Salinas
Analyst

Approved
Signatory

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TX971698

6- 08813

**OFFICIAL
CHAIN OF CUSTODY RECORD**

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos				NO. OF CON- TAINERS	<div style="display: flex; justify-content: space-between;"> <div style="transform: rotate(-45deg); white-space: nowrap;">PLM (Asbestos) POM (Air)</div> <div>REMARKS</div> </div>																								
SAMPLERS: (Signature) <i>Alma Fuller Gregory R Day</i>																															
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION																										
WBS 824602	05-08 97	1705	X		(b) (6)	1	X								EPA Tag# 6-008326																
WBA 175LF1		0829- 1655		X		1	X								6-008357 V= 1319.65L																
WBA 175LF2		0834- 1702		X		1	X								6-008358 V= 1239.27L																
WBA 175LF3		0831- 1659		X		1	X								6-008359 V= 1246.71L																
WBA 175LF4		0832- 1657		X		1	X								6-008360 V= 1254.96L																
<div style="font-size: 2em; transform: rotate(-15deg); opacity: 0.5;">A. Fuller</div>																															
Relinquished by: (Signature) <i>A. Fuller</i>		Date / Time 05/08/97 1730		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)																			
Relinquished by: (Signature)		Date / Time		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)																			
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature) <i>Alma Fuller</i>			Date / Time 5.9.97 10.00		Remarks																						
Shipped by: Fed-EX		Airbill Number: 2252236011																													

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant



Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 15, 1997

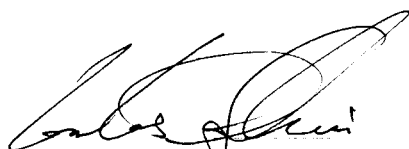
Ref Number: TX971748

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

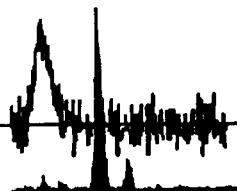
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS954G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS323G01		Brown Non-Fibrous Homogeneous	Teased		2% Chrysotile		98% Other
WBS323G02		Brown Fibrous Homogeneous	Teased		10% Chrysotile < 1% Crocidolite		90% Other
WBS323G03		Brown Non-Fibrous Homogeneous	Teased		5% Chrysotile < 1% Crocidolite		95% Other
WBS323G04		Brown Fibrous Homogeneous	Teased		8% Chrysotile < 1% Crocidolite		92% Other
WBS323G05		Brown Fibrous Homogeneous	Teased		15% Chrysotile < 1% Crocidolite		85% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos				NO. OF CON- TAINERS	PLM (Asbestos)					REMARKS													
SAMPLERS: (Signature) <i>Gregory R Day</i>																									
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION																				
WBS 954601	05-10-97	1335	X		(b) (6)	1	X					EPA Tag # 6-008385													
WBS 323601			X			1	X					6-008391													
WBS 323602			X			1	X					6-008392													
WBS 323603			X			1	X					6-008393													
WBS 323604			X			1	X					6-008394													
WBS 323605			X			1	X					6-008395													
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Relinquished by: (Signature) <i>Gregory R Day</i>		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)															
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks 5/13/97																	
Shipped by: FED-EX				Airbill Number: 2252235704-941																					

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

6-00072

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/13/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/14/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

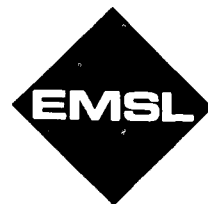
Billing Number

TX971748

Project: 020601RAG1 WESTBANK ASBESTOS

[illegible]

Analyst: Walter J. Jones Date: 5/14/91 Computer: _____ Date: _____



Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 15, 1997

Ref Number: TX971750

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS456G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G08		Brown Fibrous Homogeneous	Teased	3%	Chrysotile		97% Other
WBS175G09		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS175G10		Brown Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite		98% Other
WBS175G11		Brown Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite		98% Other
WBS175G12		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 15, 1997

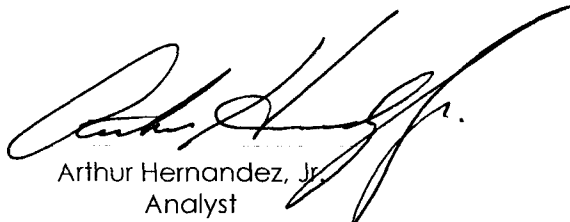
Ref Number: TX971750

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

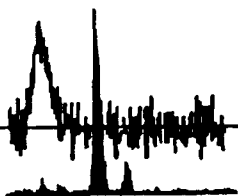
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS175G13	(b) (6)	Brown Fibrous Homogeneous	Teased	5%	Chrysotile		95% Other
WBS175G14		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS175G15		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G16		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G17		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G18		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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Westmont, NJ
609-858-4800

Piscataway, NJ
908-981-0550

Carle Place, NY
516-997-7251

Manhattan, NY
212-290-0052

Seattle, WA
203-233-9007

Ann Arbor, MI
313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 15, 1997

Ref Number: TX971750

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS342G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS342G02		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS342G03		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS342G04		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS385G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS385G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 15, 1997

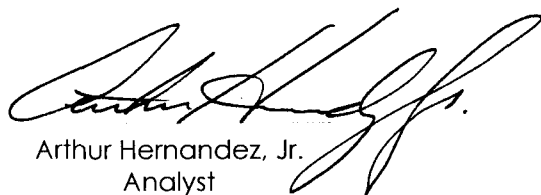
Ref Number: TX971750

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		%	<u>NONASBESTOS</u>	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS175G19	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS175G20		Brown Fibrous Homogeneous	Teased	2%	Chrysotile			98% Other
WBS175G21		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS175G22		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS175G23		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS458G01		Brown Fibrous Homogeneous	Teased	3%	Chrysotile			95% Other
				2%	Crocidolite			

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos		NO. OF CONTAINERS		REMARKS	
SAMPLERS: (Signature) <i>Gregory Ray Amato</i>				PLM (Asbestos)			
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	EPA Tag #	
WBS 1756101	05-09-97	0940	X		(b) (6)	6-008361	
WBS 1756108		1125	X			6-008362	
WBS 1756109		1130	X			6-008363	
WBS 1756110		1130	X			6-008364	
WBS 1756111		1140	X			6-008365	
WBS 1756112		1140	X			6-008366	
WBS 1756113		1150	X			6-008367	
WBS 1756114		1150	X			6-008368	
WBS 1756115		1150	X			6-008369	
WBS 1756116		1155	X			6-008370	
WBS 1756117		1155	X			6-008371	
WBS 1756118		1200	X			6-008372	
WBS 1756119		1200	X			6-008373	
WBS 1756120		1200	X			6-008374	
WBS 1756121		1210	X			6-008375	
Relinquished by: (Signature) <i>Amato</i>		Date / Time 05-09-97 1800		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time	
Shipped by: FED-EX		Airbill Number: 2252235893		Remarks			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. 0200001 RAG1		PROJECT NAME Westbank Asbestos				NO. OF CON- TAINERS	REMARKS			
SAMPLERS: (Signature) Gregory Ray Alma Fuller Amanda Leary										
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION					
WBS 175622	05-09-97	1210	X		(b) (6)	1	X			FPA Tag # 6-008376
WBS 175623		1212	X		↓	1	X			6-008378
WBS 458601		1246	X		(b) (6)	1	X			6-008377
WBS 342601		1640	X		↓	1	X			6-008379
WBS 342602		1645	X		↓	1	X			6-008380
WBS 342603		1650	X		↓	1	X			6-008381
WBS 342604		1655	X		↓	1	X			6-008382
WBS 385601		1700	X		(b) (6)	1	X			6-008383
WBS 385602		1656	X		↓	1	X			6-008384
Amanda Leary										
Relinquished by: (Signature) Amanda Leary						Date / Time 05-09-97 1800		Received by: (Signature)		
Relinquished by: (Signature)						Date / Time		Received by: (Signature)		
Relinquished by: (Signature)						Date / Time		Received for Laboratory by: (Signature)		
Shipped by: FED - EX						Airbill Number: 2252235893		Remarks 5/13/97		

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

U

Client: Ecology & Environment, Inc.

Logged: 5/13/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/14/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971750

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non-Fibrous		# Layers	
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose		1. Quartz		1. Yes	1. Low
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass		2. Mica		2. No	2. Med
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool		3. Gypsum		3. Yes	3. High
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic		4. Cal Carbonate		3. No	3. High
5. Red	0. Orange				5. Actinolite	5. Other		5. Matrix			
					6. Crocidolite	6. Wollastonite		6. Perlite			
					0. None Detected	7. Hair		7. Other			
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non-Fibrous Type	%	# Layers		
WBS456 G01		1	1	1. Chrysotile <10%			7 100%	1.549/1.556	1	B	
		2							1	S	
		1							1	E	
WBS175 G08		1	1	1. Chrysotile 30%			7 97%	1.549/1.556	1	B	
		1							1	S	
		1							2	E	
G09		1	1	1. Chrysotile 20%			7 98%	1.549/1.556	1	B	
		1							1	S	
		1							2	E	
G10		1	1	1. Chrysotile 20%			7 98%	1.549/1.556	1	B	
		1							1	S	
		1							2	E	
G11		1	1	6. Crocidolite - <10% 1. Chrysotile - 20%			7 98%	1.549/1.556	1	B	
		1		6. Crocidolite - <10%					1	S	
		1							2	E	
G12		1	1	1. Chrysotile <10%			7 100%		1	B	
		2							1	S	
		1							2	E	
G13		1	1	1. Chrysotile 50%			7 95%	1.549/1.556	1	B	
		1							1	S	
		1							2	E	
G14		1	1	1. Chrysotile 20%			7 98%	1.549/1.556	1	B	
		1							1	S	
		1							2	E	

Analyst:

[Signature]

Date:

05-14-97

Computer:

Date:

PLM Analysis Worksheet

(2)

Client: Ecology & Environment, Inc.

Logged: 5/13/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/14/97 9:00 AM

Special Handling

Billing Number

Fax: (504) 363 - 4732

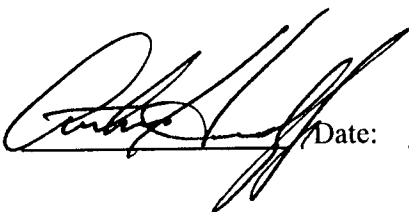
TX971750

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Anthophyllite	3. Min. Wool	3. Gypsum
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix
					6. Crocidolite	6. Wollastonite	6. Perlite
					0. None Detected	7. Hair	7. Other

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous		Non-Fibrous		# Layers	
					Type	%	Type	%		
G15		1 2	1	1. Chrysotile <1%			7	100%	1.549/1.556	B S
G16		1 2	1	1. Chrysotile <1%			7	100%	1.549/1.556	B S
G17		1 2	1	1. Chrysotile <1%			7	100%	1.549/1.556	B S
G18		1 2	1	1. Chrysotile <1%			7	100%	1.549/1.556	B S
G19		1 2	1	1. Chrysotile <1%			7	100%	1.549/1.556	B S
G20		1 2	1	1. Chrysotile 2%			7	98%	1.549/1.556	B S
G21		1 2	1	N.D.			7	100%	1.549/1.556	B S
G22		1 2	1	1. Chrysotile <1%			7	100%	1.549/1.556	B S

Analyst:



Date:

05-14-97

Computer:

Date:

PLM Analysis Worksheet

(3)

Client: Ecology & Environment, Inc.

Logged: 5/13/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/14/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971750

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non-Fibrous				
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	1. Quartz		R	1 Low	B
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2. Mica		M	2 Med	S
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool	3. Gypsum	3. Gypsum		1 Wavy	1	
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal Carbonate	4. Cal Carbonate		2 Straight	2	
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	5. Matrix		3 Specif	3	
					6. Crocidolite	6. Wollastonite	6. Perlite	6. Perlite		1 Yes	1	E
					0. None Detected	7. Hair	7. Other	7. Other		2 No	2 P.O.	
										3 Specif	3	
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers			
G23		1	1	1. Chrysotile <10%			7	100%	1.589/586	1	B	
WBS450		2	1	1. Chrysotile-30%			7	95%	1.589/586	1	B	
G01		1	1	6. Crocidolite-2%			1		1	M	S	
WBS342		1	1	1. Chrysotile <10%			7	100%	1.589/586	1	B	
G01		2	1				1		1	M	S	
G02		1	1	N.D.			7	100%	1.589/586	1	B	
G02		2	1				7	100%	1.589/586	1	B	
G03		1	1	N.D.			7	100%	1.589/586	1	B	
G03		2	1				7	100%	1.589/586	1	B	
G04		1	1	N.D.			7	100%	1.589/586	1	B	
G04		2	1				7	100%	1.589/586	1	B	
WBS385		1	1	1. Chrysotile <10%			7	100%	1.589/586	1	B	
G01		2	1				7	100%	1.589/586	1	B	
G02		1	1	1. Chrysotile <10%			7	100%	1.589/586	1	B	
G02		2	1				7	100%	1.589/586	1	B	

Analyst:

Date:

05-14-97

Computer:

Date:

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 16, 1997

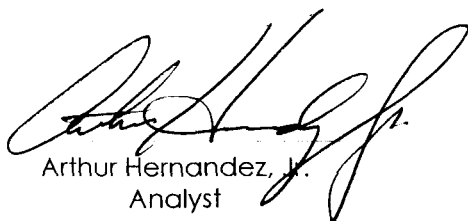
Ref Number: TX971749

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS175G24	(b) (6)	Brown Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS175G25		Brown Fibrous Homogeneous	Teased	2% Chrysotile			98% Other
WBS175G26		Brown Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS175G27		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other
WBS175G28		Brown Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS175G29		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 16, 1997


Ref Number: TX971749

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

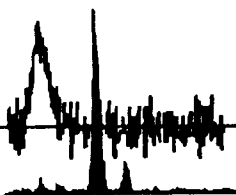
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS175G30	(b) (6)	Brown Fibrous Homogeneous	Teased	3%	Chrysotile		97% Other
WBS175G31		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G32		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G33		Brown Non-Fibrous Homogeneous	Teased	< 1% < 1%	Chrysotile Amosite		100% Other
WBS629G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS337G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.





Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 16, 1997


Ref Number: TX971749

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

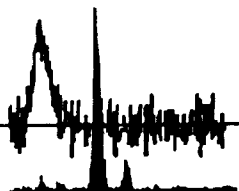
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS337G02	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile < 1% Crocidolite				100% Other
WBS337G03		Brown Non-Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite				98% Other
WBS337G04		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS337G05		Brown Non-Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite				98% Other
WBS337G06		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other
WBS337G07		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile				100% Other

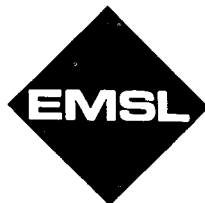
Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.





Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 16, 1997


Ref Number: TX971749

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS337G08	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS339G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS339G02		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS339G03		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile			98% Other
WBS383G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile < 1% Crocidolite			100% Other
WBS383G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile < 1% Crocidolite			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

TX 971749

PROJ. NO.		PROJECT NAME				NO. OF CON- TAINERS	REMARKS									
020601RAG1		Westbank Asbestos														
SAMPLERS: (Signature) <i>Augusta Lewis</i> <i>Maureen Samuels</i> <i>Angie R Day</i>						PLM										
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION											
WBS175 G-24	5-12-97	10:37	X		(b) (6)	1	X									EPA Tag # 6-008104
WBS175 G-25		10:40	X			1	X									6-008105
WBS175 G-26		10:42	X			1	X									6-008106
WBS175 G-27		10:44	X			1	X									6-008107
WBS175 G-28		10:46	X			1	X									6-008108
WBS175 G-29		10:48	X			1	X									6-008109
WBS175 G-30		10:50	X			1	X									6-008110
WBS175 G-31		10:52	X			1	X									6-008111
WBS175 G-32		10:54	X			1	X									6-008112
WBS175 G-33		10:56	X			1	X									6-008113
WBS629 G-34		1300	X		(b) (6)	1	X									6-008114
WBS337 G-35		1520	X			1	X									6-008386
WBS337 G-36		1525	X			1	X									6-008387
WBS337 G-37		1530	X			1	X									6-008388
WBS337 G-38		1535	X			1	X									6-008389

Relinquished by: (Signature) <i>Mike DeLoach</i>	Date / Time 05-12-97/1600	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) <i>[Signature]</i>	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time 5/10/97	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
Shipped by: FedEx		Airbill Number: 2252235926			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PROJ. NO.		PROJECT NAME				NO. OF CON- TAINERS		REMARKS					
020601RAGI		Westbank Ashbestos		Lawrence Road				PLM (asbestos)					
SAMPLERS: (Signature) <i>Morgan Gregory</i>								Play Area, Fence					
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION								
WBS337 G05	05-12-97	1540	X		(b) (6)	1	X					EPA TAG #	
WBS337 G06		1545	X			1	X					6-008390	
WBS337 G01		1550	X			1	X					6-008115	
WBS337 G05		1555	X			1	X					6-008116	
WBS337 G01		1605	X		(b) (6)	1	X					6-008117	
WBS337 G02		1645	X			1	X					6-008118	
WBS337 G03		1650	X			1	X					6-008119	
WBS383 G01		1645	X		(b) (6)	1	X					6-008120	
WBS383 G02		1650	X			1	X					6-008396	
												6-008397	
<i>Lawrence Road</i>													
Relinquished by: (Signature) <i>Lawrence Road</i>		Date / Time 5/12/97 1800		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)			
Relinquished by: (Signature)		Date / Time		Received for Laboratory by (Signature)		Date / Time		Remarks					
Shipped by: FedEx				Airbill Number: 2252235926									
Distribution: White Accompanies Shipment; Pink to Coordinator Field Files.													

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/13/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/14/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971749

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous			
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1. Low	B
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	M	2. Med	S
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Anthophyllite	3. Min. Wool	3. Gypsum	1. Wavy	1. -	-
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	2. Straight	2. -	-
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	3. Specific	3. -	-
					6. Crocidolite	6. Wollastonite	6. Perlite	P	F	
					0. None Detected	7. Hair	7. Other	1. Yes	1. -	-
								2. No	2. P-O	-
									3. Specific	-
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non-Fibrous Type	%	# Layers	
WB175		1		1. Chrysotile-2%			798%		1549/556	B
G24		1	1	6. Crocidolite <1%					1	S
		1		1. Chrysotile			798%		1549/556	B
G25		1	1	2%					1	S
		1		1. Chrysotile-2%			798%		1549/556	B
G26		1	1	6. Crocidolite <1%					1	S
		1		1. Chrysotile			7100%		1549/556	B
G27		2	1	<1%					1	S
		1		1. Chrysotile-2%			798%		1549/556	B
G28		1	1	6. Crocidolite <1%					1	S
		1		1. Chrysotile			7100%		1549/556	B
G29		2	1	<1%					1	S
		1		1. Chrysotile			797%		1549/556	B
G30		1	1	3%					1	S
		1		1. Chrysotile			7100%		1549/556	B
G31		2	1	<1%					1	S

Analyst:

Date:

05-15-97

Computer:

Date:

PLM Analysis Worksheet

2

Client: Ecology & Environment, Inc.

Logged: 5/13/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/14/97 9:00 AM

Special Handling

Billing Number

Fax: (504) 363 - 4732

TX971749

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous				
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1. Low	B	
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	M	2. Med	S	
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropyllite	3. Min. Wool	3. Gypsum	1. Wavy	3. High		
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	2. Straight			
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	3. Specify			
					6. Crocidolite	6. Wollastonite	6. Perlite	1. Yes	P	E	
					0. None Detected	7. Hair	7. Other	2. No	No	2. P-10	3. Specify

	Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous		Non-Fibrous		# Layers	
						Type	%	Type	%		
9	WBS175		1		1. Chrysotile			7	100%	1.549/1.556	B
	G32		2	1	<1%					1 M	S
			1							2 P	E
	WBS175		1		1. Chrysotile <1%			7	100%	1.549/1.556	B
	G33		2	1	2. Crocidolite <1%					1 M	S
			1							2 P	E
	WBS629		1		1. Chrysotile			7	100%	1.549/1.556	B
11	G01		2	1	<1%					1 M	S
			1							2 P	E
	WBS337		1		1. Chrysotile			7	100%	1.549/1.556	B
	G01		2	1	<1%					1 M	S
			1							2 P	E
	WBS337		1		1. Chry, <1%			7	100	1.549/1.556	B
13	G02		2	1	6. Croc, <1%					1 M	S
			1							2 P	E
	WBS337		1		1. Chry, 2			7	98	1.549/1.556	B
	G03		2	1	6. Croc, <1%					1 M	S
			1							2 P	E
	WBS337		1		1. Chry, <1%			7	100	1.549/1.556	B
15	G04		2	1						1 M	S
			1							2 P	E
	WBS337		1		1. Chry, 2			7	98	1.549/1.556	B
	G05		2	1	6. Croc, <1%					1 M	S
			1							2 P	E

Analyst: 

Date: 5/15/97

Computer:

Date:

PLM Analysis Worksheet

3

Client: Ecology & Environment, Inc.

Logged: 5/13/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/14/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971749

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous				
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1 Low	B	
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	M	2 Med	S	
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool	3. Gypsum	1 Wavy	1		
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	2 Straight	2		
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	3 Specs			
					6. Crocidolite	6. Wollastonite	6. Perlite	P	1 Yes	E	
					0. None Detected	7. Hair	7. Other	2 No	2 Pro	1 Specs	

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers	
17 WBS337		1		1. Chry, < 1%			7	100	1549	B
17 G06		2	1						1	S
WBS337		1							2	E
G07		2	1	1 Chry, < 1%			7	100	1	B
WBS337		1							M	S
G08		2	1	1 Chry, < 1%			7	100	1	E
WBS339		1							1	B
G01		2	1	1 Chry, < 1%			7	100	1	S
WBS339		1		ND			7	100	1	E
G02		2	1						1	B
WBS339		1							M	S
G03		2	1	1 Chry, 2			7	98	1	E
WBS383		1		1 Chry, < 1%			7	100	1	B
G01		2	1	6. Croc, < 1%					1	S
WBS383		1		1 Chry, < 1%			7	100	1	E
G02		2	1	6. Croc, < 1%					1	B

Analyst: [Signature] Date: 5/15/97 Computer: _____ Date: _____

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 16, 1997


Ref Number: TX971780

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS956G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS956G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS956G03		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS959G04		Brown Non-Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite		98% Other
WBS267G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS380G01		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 16, 1997


Ref Number: TX971780

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS380G02	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS380G03		Brown Non-Fibrous Homogeneous	Teased	None Detected			100% Other
WBS381G03		Brown Non-Fibrous Homogeneous	Teased	5% Chrysotile < 1% Crocidolite			95% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

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PLM Analysis Worksheet

1

Client: Ecology & Environment, Inc.

Logged: 5/15/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/16/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971730

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous		
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1. Low
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica		2. Med
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool	3. Gypsum	M	3. High
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	1. Wavy	1. -
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	2. Straight	2. -
					6. Crocidolite	6. Wollastonite	6. Perlite	3. Specific	3. -
					0. None Detected	7. Hair	7. Other	1. Yes	1. E
								2. No	2. PGI
									3. Specific
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non-Fibrous Type	%	# Layers
WBS956		1		1. Chry, < 1%			7 100		1
G01		2	1						2
WBS956		1		1. Chry, < 1%			7 100		1
G02		2	1						2
WBS956		1		ND			7 100		1
G03		2	1						2
WBS959		1		1. Chry, 2			7 98		1
G04		2	1	6. Croc, < 1%					2
WBS267		1		1. Chry, < 1%			7 100		1
G02		2	1						2
WBS380		1		1. Chry, 2			7 98		1
G01		2	1						2
WBS380		1		1. Chry, 2			7 98		1
G02		2	1	6. Croc, < 1%					2
WBS380		1		ND			7 100		1
G03		2	1						2

Analyst:

Date:

Computer:

Date:

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/15/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/16/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

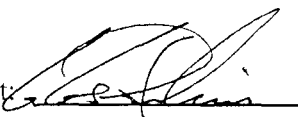
Billing Number

TX971780

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous		
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1. Low
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2. Med	2. Med
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool	3. Gypsum	3. High	3. High
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	1. Wave	1. Wave
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	2. Straight	2. Straight
					6. Crocidolite	6. Wollastonite	6. Perlite	3. Specify	3. Specify
					0. None Detected	7. Hair	7. Other	1. Yes	1. Yes
								2. No	2. No
									3. Specify

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers		
WBS381		1	1	1. Chrys, 5			7	95	1	1.5	B
G03		2	1	6. Croc, < 1%					1	1	S
									1	2	E
									1	1	B
									1	1	S
									1	1	E
									1	1	B
									1	1	S
									1	1	E
									1	1	B
									1	1	S
									1	1	E
									1	1	B
									1	1	S
									1	1	E
									1	1	B
									1	1	S
									1	1	E
									1	1	B
									1	1	S
									1	1	E

Analyst:  Date: _____ Computer: _____ Date: _____

OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO. W166P1RAG1		PROJECT NAME Westbank Asbestos				NO. OF CON- TAINERS		<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">PUM Asbestos</div> <div style="float: right; text-align: right;">REMARKS</div>									
SAMPLERS: (Signature) Maziedin Arzouy R Day																	
STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION												
WBS 356 G01	5-14-97	1133	X		(b) (6)	1	X									EPA Tag # 6-008150	
WBS 356 G02	↓	1135	X		↓	1	X									6-008151	
WBS 356 G03	↓	1138	X		↓	1	X									6-008152	
WBS 356 G04	↓	1643	X		(b) (6)	1	X									6-008153	
WBS 356 G05	↓	1645	X		(b) (6)	1	X									6-008154	
WBS 356 G06	↓	1710	X		(b) (6)	1	X									6-008155	
WBS 356 G07	↓	1720	X		↓	1	X									6-008156	
WBS 356 G08	↓	1730	X		↓	1	X									6-008157	
WBS 356 G09	↓	1710	X		(b) (6)	1	X										
Relinquished by: (Signature) Maziedin		Date / Time 5-14-97 1800		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)					
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: 			Date / Time 5/15/97 2:15p		Remarks								
Shipped by: FedEx				Airbill Number: 2252235915													

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 19, 1997

Ref Number: TX971762

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS175G34	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G35		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G36		Tan Non-Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS175G37		Tan Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS175G38		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS175G39		Tan Non-Fibrous Homogeneous	Teased		None Detected		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.



Carlos D. Salinas
Analyst



Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 19, 1997


Ref Number: TX971762

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

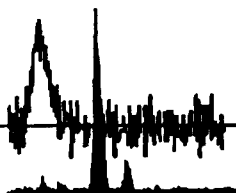
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS175G40	(b) (6)	Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS175G41		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS175G42		Tan Non-Fibrous Homogeneous	Teased	2%	Chrysotile			98% Other
WBS175G43		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS175G44		Tan Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS175G45		Tan Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 19, 1997

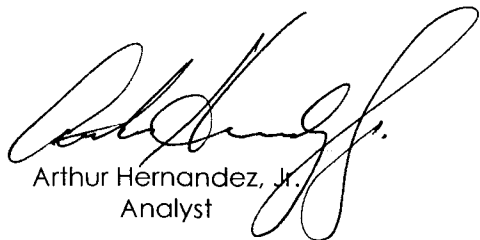
Ref Number: TX971762

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

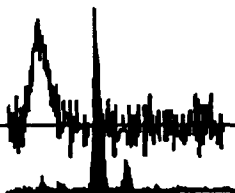
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS175G46	(b) (6)	Tan	Teased	< 1%	Chrysotile		100% Other
		Non-Fibrous		< 1%	Crocidolite		
		Homogeneous					
WBS175G47		Tan	Teased	< 1%	Chrysotile		100% Other
		Non-Fibrous					
		Homogeneous					
WBS175G48		Tan	Teased	10%	Chrysotile		88% Other
		Fibrous		2%	Crocidolite		
		Homogeneous					
WBS175G49		Tan	Teased	< 1%	Chrysotile		100% Other
		Non-Fibrous					
		Homogeneous					
WBS435G01		Brown	Teased	2%	Chrysotile		98% Other
		Fibrous		< 1%	Crocidolite		
		Homogeneous					
WBS628G01		Brown	Teased	< 1%	Chrysotile		100% Other
		Non-Fibrous					
		Homogeneous					

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 19, 1997

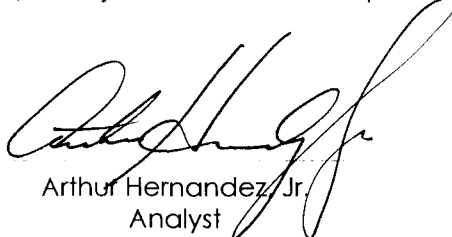
Ref Number: TX971762

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS959G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	None Detected		100% Other	
WBS959G02		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile < 1% Crocidolite		100% Other	
WBS959G03		Brown Non-Fibrous Homogeneous	Teased	None Detected		100% Other	
WBS175G50		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		100% Other	
WBS175G51		Brown/White Fibrous Homogeneous	Teased	5% Chrysotile		95% Other	
WBS175G52		Brown Fibrous Homogeneous	Teased	3% Chrysotile		97% Other	

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez Jr.
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 19, 1997

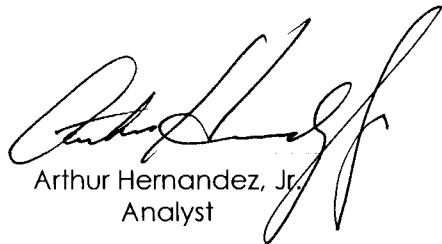
Ref Number: TX971762

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS175G53	(b) (6)	Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS175G54		Brown Fibrous Homogeneous	Teased	3%	Chrysotile		97% Other
WBS175G55		Brown/White Fibrous Homogeneous	Teased	5%	Chrysotile		95% Other
WBS687G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS687G02		Brown Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite		98% Other
WBS687G03		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

p.103

TX 97/762

PROJ. NO. 02461RAG2		PROJECT NAME Westbank Asbestos				NO. OF CON- TAINERS		REMARKS									
SAMPLERS: (Signature) Maggie D. ...																	
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	EPA Tag #											
WBS175 G34	5-13-97		X		(b) (6)	1										6-008121	
WBS175 G33			X			1										6-008122	
WBS175 G36			X			1										6-008123	
WBS175 G37			X			1										6-008124	
WBS175 G38			X			1										6-008125	
WBS175 G39			X			1										6-008126	
WBS175 G40			X			1										6-008127	
WBS175 G41			X			1										6-008128	
WBS175 G42			X			1										6-008129	
WBS175 G43			X			1										6-008130	
WBS175 G44			X			1										6-008131	
WBS175 G45			X			1										6-008132	
WBS175 G46			X			1										6-008133	
WBS175 G47			X			1										6-008134	
WBS175 G48			X			1										6-008135	
Relinquished by: (Signature) Maggie D.		Date / Time 5-13-97 1800		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature) John ...		Date / Time 5-14-97 8:30		Remarks									
Shipped by: FedEx				Airbill Number: 2252235930													

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

p.343

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		REMARKS			
SAMPLERS: (Signature)		STATION LOCATION							
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION		REMARKS		
WBS651 603	5-13-97	1655	X		(b) (6)		EPA Tag # 6-008149		
<i>Maggie Lin</i>									
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)
<i>Maggie Lin</i>		5-13-97 1800							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks	
<i>Maggie Lin</i>				<i>Maggie Lin</i>					
Shipped by: <i>FedEx</i>				Airbill Number: <i>2252235930</i>					

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

p-203

PROJ. NO. 024661 RAC1		PROJECT NAME Westbank Asbestos			NO. OF CON- TAINERS	REMARKS EPA Tag #									
SAMPLERS: (Signature) Maggiore, Lawrence Red															
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION										
WBS175 G40	5-13-97	0948	X		(b) (6)	1	X								6-008136
WBS435 G01		1020	X		(b) (6)	1	X								6-008398
WBS620 G01		1030	X		(b) (6)	1	X								6-008137
WBS454 G02		1545	X		(b) (6)	1	X								6-008138
WBS454 G02		1550	X		(b) (6)	1	X								6-008139
WBS454 G03		1140	X		(b) (6)	1	X								6-008140
WBS1033 G01			X		(b) (6)	1	X								6-008141 ML 5-13-97
WBS175 G50		1535	X		(b) (6)	1	X								6-008142
WBS175 G51		1537	X		(b) (6)	1	X								6-008143
WBS175 G52		1540	X		(b) (6)	1	X								6-008144
WBS175 G53		1542	X		(b) (6)	1	X								6-008145
WBS175 G54		1548	X		(b) (6)	1	X								6-008146
WBS175 G55		1550	X		(b) (6)	1	X								6-008147
WBS175 G01		1640	X		(b) (6)	1	X								6-008141
WBS175 G02		1645	X		(b) (6)	1	X								6-008148
Relinquished by: (Signature) Maggiore		Date / Time 5-13-97 1800		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature) D.F.		Date / Time		Remarks							
Shipped by: Red				Airbill Number: 2252235930											

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

1

Client: Ecology & Environment, Inc.

Logged: 5/14/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/15/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971762

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous		Non-Fibrous		# Layers	<table border="1"> <tr> <td>1. Wavy</td> <td>2. Straight</td> <td>3. Specify</td> </tr> <tr> <td>1. Yes</td> <td>2. No</td> <td></td> </tr> </table>			1. Wavy	2. Straight	3. Specify	1. Yes	2. No	
1. Wavy	2. Straight	3. Specify																	
1. Yes	2. No																		
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	<table border="1"> <tr> <td>1. Low</td> <td>2. Med</td> <td>3. High</td> </tr> <tr> <td>1. +</td> <td>2. -</td> <td></td> </tr> </table>			1. Low	2. Med	3. High	1. +	2. -				
1. Low	2. Med	3. High																	
1. +	2. -																		
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica												
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthophyllite	3. Min. Wool	3. Gypsum												
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate												
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix												
					6. Crocidolite	6. Wollastonite	6. Perlite												
					0. None Detected	7. Hair	7. Other												
Sample	Location	Appearance	Treatment	% ASBESTOS	Type	%	Type	%											
1 WBS175 G34		3 2 1	1	1. Chry, < 1%			7	100	1549/1552	1	B								
									1	S									
									2	E									
									1	B									
										S									
									P	E									
3 G35		3 2 1	1	1. Chry, < 1%			7	100	1	B									
										S									
									P	E									
									1	B									
										S									
									P	E									
5 G36		3 2 1	1	1. Chry, 2			7	98	1	B									
										S									
									P	E									
									1	B									
										S									
									P	E									
									1	B									
										S									
									P	E									
7 G37		3 2 1	1	NT			7	100	1	B									
										S									
									P	E									
									1	B									
										S									
									P	E									
5 G38		3 2 1	1	1. Chry, < 1%			7	100	1549/1552	1	B								
									1	S									
									2	E									
									1	B									
										S									
									P	E									
7 G39		3 2 1	1	NT			7	100	1	B									
										S									
									P	E									
									1	B									
										S									
									P	E									
7 G40		3 2 1	1	1. Chry, < 1%			7	100	1549/1552	1	B								
									1	S									
									2	E									
									1	B									
										S									
									P	E									
7 G41		3 2 1	1	1. Chry, < 1%			7	100	1	B									
										S									
									P	E									

Analyst: [Signature] Date: 5/19/97 Computer: _____ Date: _____

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/14/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/15/97 9:00 AM

Fax: (504) 363 - 4732


Special Handling

Billing Number

TX971762

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous	# Layers	
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Arthropyllite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal. Carbonate 5. Matrix 6. Perlite 7. Other	1. Low 2. Med 3. High	1. Low 2. Med 3. High
9	G42	3 2 1	1	1. Chry, 2 6. Croc, <1%		7 98		1509, 556	B S E
	G43	3 2 1	1	1. Chry, <1%		7 100		11R	B S E
11	G44	3 2 1	1	ND		7 100		11R	B S E
	G45	3 2 1	1	1. Chry, <1%		7 100		11R	B S E
13	G46	3 2 1	1	1. Chry, <1% 6. Croc, <1%		7 100		11R	B S E
	G47	3 2 1	1	1. Chry, <1%		7 100		11R	B S E
15	G48	3 1 1	1	1. Chry, 10 6. Croc, 2		7 98		11R	B S E
	G49	3 2 1	1	1. Chry, <1%		7 100		11R	B S E

Analyst: 

Date: 5/19/97

Computer: _____

Date: _____

PLM Analysis Worksheet

3

Client: Ecology & Environment, Inc.

Logged: 5/14/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/15/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971762

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous			
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1 Low	B
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2 Med	2 Med	S
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min. Wool	3. Gypsum	3 Straight	3 High	E
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal Carbonate	3 Specify		
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	1 Yes	1 Yes	
					6. Crocidolite	6. Wollastonite	6. Perlite	2 No	2 No	
					0. None Detected	7. Hair	7. Other	3 Specify	3 Specify	

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers	
WBS435		1	1	1. Chrysotile - 2%	7	98%	1.549	1.556	1	B
G01		1	1	6. Crocidolite < 1%					1	S
WBS628		1	1	1. Chrysotile	7	100%	1.549	1.556	1	B
G01		2	1	< 1%					1	S
WBS959		1	1	N.D.	7	100%			2	E
G01		2	1						1	B
G02		1	1	1. Chrysotile - < 1%	7	100%	1.549	1.556	1	B
		2	1	6. Crocidolite < 1%					1	S
G03		1	1	N.D.	7	100%			2	E
		2	1						1	B
WBS175		1	1	1. Chrysotile	7	100%	1.549	1.556	1	B
G50		2	1	< 1%					1	S
G51		1H	1	1. Chrysotile	7	95%	1.549	1.556	1	B
		1	1	5%					1	S
G52		1	1	1. Chrysotile	7	97%	1.549	1.556	1	B
		1	1	3%					1	S
		1	1						2	E

Analyst:

Date:

05-16-97

Computer:

Date:

PLM Analysis Worksheet

(4)

Client: Ecology & Environment, Inc.

Logged: 5/14/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/15/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971762

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous		
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	R	1 Low
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2 Med	B
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min Wool	3. Gypsum	3 High	S
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	1. Wavy	1. -
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	2 Straight	2. -
					6. Crocidolite	6. Wollastonite	6. Perlite	3 Specific	3. -
					0. None Detected	7. Hair	7. Other	1. Yes	1. P
								2. No	2. P-O
									3. Specific

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers
WBS175		1	1	1. Chrysotile 20%			7 98%	1.549/1.556	1 B 1 M 1 S
G53		1	1	1. Chrysotile 30%			7 97%	1.549/1.556	1 B 1 M 1 S
G54		1	1	1. Chrysotile 50%			7 95%	1.549/1.556	1 B 1 M 1 S
G55		1, 4	1	1. Chrysotile 50%			7 100%	1.549/1.556	1 B 1 M 1 S
WBS687	-	2	1	1. Chrysotile <10%			7 98%	1.549/1.556	1 B 1 M 1 S
G01		1	1	1. Chrysotile-20% 6. Crocidolite- <10%			7 98%	1.549/1.556	1 B 1 M 1 S
G02		1	1	1. Chrysotile 20%			7 98%	1.549/1.556	1 B 1 M 1 S
G03		1	1	1. Chrysotile 20%			7 98%	1.549/1.556	1 B 1 M 1 S

Analyst:

Date:

05-16-97

Computer:

Date:

Westmont, NJ
609-858-4800

Piscataway, NJ
908-981-0550

Carle Place, NY
516-997-7251

Manhattan, NY
212-290-0052

Seattle, WA
203-233-9007

Ann Arbor, MI
313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

REC'D MAY 23 1997 Monday, May 19, 1997

Ref Number: TX971817

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS428G01	(b) (6)	Brown Fibrous Homogeneous	Teased	2%	Chrysotile			98% Other
WBS1007G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS1007G02		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS1007G03		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS924G01		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other
WBS924G02		Brown Non-Fibrous Homogeneous	Teased		None Detected			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Monday, May 19, 1997

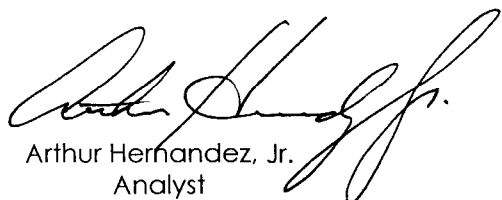
Ref Number: TX971817

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	NONFIBROUS
WBS924G03	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

OFFICIAL
CHAIN OF CUSTODY RECORD

TX 971817

**Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant**

EPA 7500-53
(11/96)

6- 08840

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.
Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Logged: 5/16/97
Date/Time Due: 5/19/97 9:00 AM

TAT: 24 Hour

Fax: (504) 363 - 4732

Special Handling

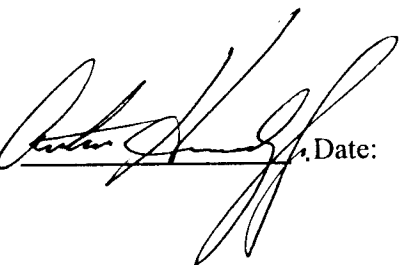
Billing Number

TX971817

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous			
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	R	1 Low	B
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica	M	2 Med	S
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Arthropylite	3 Min Wool	3 Gypsum	1 Wavy	3 High	
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal Carbonate	2 Straight		
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix	3 Specific		
					6 Crocidolite	6 Wollastonite	6 Perlite	1 Yes	1	F
					0 None Detected	7 Hair	7 Other	2 No	2 P.O.	3 Specific
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non-Fibrous Type	%	# Layers	
WBS428		1		1. Chrysotile			7 98%	1.549/1.556	1	B
G01		1	1	2%					1	S
WBS1007		1		1. Chrysotile			7 100%	1.549/1.556	1	B
G01		2	1	<1%					1	S
G02		1		N.D.			7 100%		1	B
		2	1						1	S
WBS1007		1		1. Chrysotile			7 100%	1.549/1.556	1	B
G03		2	1	<1%					1	S
WBS924		1		N.D.			7 100%		1	B
G01		2	1						1	S
WBS924		1		N.D.			7 100%		1	B
G02		2	1						1	S
WBS924		1		1. Chrysotile			7 100%	1.549/1.556	1	B
G03		2	1	<1%					1	S

Analyst:



Date:

05-19-97

Computer:

Date:

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Wednesday, May 21, 1997

Ref Number: TX971834

POLARIZED LIGHT MICROSCOPY (PLM)

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS		
				%	TYPE	%	FIBROUS	NONFIBROUS
WBS316 G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile			100% Other
WBS316 G02		Brown Non-Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite			98% Other
WBS316 G03		Brown Non-Fibrous Homogeneous	Teased	< 1% < 1%	Chrysotile Crocidolite			100% Other
WBS316 G04		Brown Non-Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite			98% Other
WBB050 G01		Grey Non-Fibrous Homogeneous	Teased		None Detected	< 1%	Cellulose	100% Other
WBS459 G01		Brown Non-Fibrous Homogeneous	Teased	< 1% < 1%	Chrysotile Crocidolite			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816


Wednesday, May 21, 1997

Ref Number: TX971834

POLARIZED LIGHT MICROSCOPY (PLM)

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS459 G02	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS437 G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile Crocidolite		100% Other
WBS437 G02		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite		98% Other
WBS388 G01		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite		98% Other
WBS388 G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile < 1% Crocidolite		100% Other
WBS388 G03		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile < 1% Crocidolite		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORDTX 971834
TX 971834 600 P1 of 2

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS		REMARKS	
020601RA67		Westbank Asbestos							
SAMPLERS: (Signature)		Mazzoni		Lammie		Kagony			
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION				
WB5316 G01	5-16-97	0955	X		(b) (6)	1	X		EPA Tag# 6-008165
WB5316 G02	↓	0956	X			1	X		6-008166
WB5316 G03	↓	0957	X			1	X		6-008167
WB5316 G04	↓	1440	X		(b) (6)	1	X		6-008187
WB5050 G01	5-14-97	1700	X	X		1	X		6-008188
WB5159 G01	↓	1113	X			1	X		6-008168
WB5159 G02	↓	1110	X			1	X		6-008169
WB5437 G01		1148	X		(b) (6)	1	X		6-008170
WB5437 G02		1144	X			1	X		6-008171
WB5388 G01		1102	X		(b) (6)	1	X		6-008182
WB5388 G02		1113	X			1	X		6-008183
WB5388 G03		1120	X			1	X		6-008184
WB5388 G04		1130	X			1	X		6-008185
WB5388 G05	↓	1138	X			1	X		6-008186
WB5318 G01	↓	1530	X		(b) (6)	1	X		6-008189
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time	
Lammie		5-16-97 1800							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks	
				Kagony		5-19-97 1830			
Shipped by: FedEx				Airbill Number: 2252235710					

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;

Green to Report; Yellow Returns with Warrant

OFFICIAL
CHAIN OF CUSTODY RECORD

P2062

EPA 7500-53
(11/96)

6- 08842

PLM Analysis Worksheet

1

Client: Ecology & Environment, Inc.

Logged: 5/19/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/18/97 9:00 AM

Special Handling

Billing Number

Fax: (504) 363 - 4732

TX971834

Project:

Appearance		Treatment	Asbestos Results	Fibrous	Non-Fibrous	R 1 Low 2 Med 3 High	
1. Brown	6. Various	1. Fibrous	1. Teased	1. Chrysotile	1. Quartz	1. Yes	1. Low
2. Grey	7. Black	2. Non-Fibrous	2. Crushed	2. Amosite	2. Mica	2. Straight	2. Med
3. Tan	8. Silver	3. Other	3. Dissolved	3. Arthropyllite	3. Gypsum	3. Spec	3. High
4. White	9. Blue	4. Layers (#)	4. Ashed	4. Tremolite	4. Cal. Carbonate		
5. Red	0. Orange			5. Actinolite	5. Matrix		
				6. Crocidolite	6. Perlite		
				0. None Detected	7. Other		

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type %	Non-Fibrous Type %	# Layers
1 WBS316		1	1	1. Chry, < 1%	7 100	1.54 95%	1
G01		2	1				2
WBS316		1	1	1. Chry, 2	7 98		1
G02		2	1	6. Croc, < 1%			1
3 WBS316		1	1	1. Chry, < 1%	7 100	1.55 95%	1
G03		2	1	6. Croc, < 1%			2
WBS316		1	1	1. Chry, 2	7 98		1
G04		2	1	6. Croc, < 1%			1
5 WBS050		2	1	ND	1 < 1% 7 100		1
G01		2	1				1
WBS159		1	1	1. Chry, < 1%	7 100	1.54 95%	1
G01		2	1	6. Croc, < 1%			2
7 WBS159		1	1	ND	7 100		1
G02		2	1				1
WBS437		1	1	1. Chry, < 1%	7 100	1.54 95%	1
G01		2	1	6. Croc, < 1%			2

Analyst:

[Signature]

Date:

5/21/97

Computer:

Date:

PLM Analysis Worksheet

2

Client: Ecology & Environment, Inc.
Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Logged: 5/19/97
Date/Time Due: 5/19/97 9:00 AM

TAT: 24 Hour

Special Handling

Billing Number

Fax: (504) 363 - 4732

TX971834

Project:

Appearance		Treatment	Asbestos Results	Fibrous	Non-Fibrous	R 1. Low 2. Med 3. High	
1. Brown 2. Grey 3. Tan 4. White 5. Red	6. Various 7. Black 8. Silver 9. Blue 0. Orange	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers (#)	1. Teased 2. Crushed 3. Dissolved 4. Ashed	1. Chrysotile 2. Amosite 3. Anthophyllite 4. Tremolite 5. Actinolite 6. Crocidolite 0. None Detected	1. Cellulose 2. Glass 3. Min. Wool 4. Synthetic 5. Other 6. Wollastonite 7. Hair	1. Quartz 2. Mica 3. Gypsum 4. Cal Carbonate 5. Matrix 6. Perlite 7. Other
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type %	Non-Fibrous Type %	# Layers
9 WBS437		1		1. Chry, 2		798	1.00% B
G02		2	1	6. Croc, < 1%			1 M S
11 WBS388		1		1. Chry, 2		798	1.00% B
G01		2	1	6. Croc, < 1%			1 M S
11 WBS388		1		1. Chry, < 1%		7100	1.00% B
G02		2	1	6. Croc, < 1%			1 M S
13 WBS388		1		1. Chry, < 1%		7100	1.50% B
G03		2	1	6. Croc, < 1%			1 M S
13 WBS388		1		1. Chry, < 1%		7100	1.00% B
G04		2	1	6. Croc, < 1%			1 M S
15 WBS388		1		1. Chry, 2		798	1.00% B
G05		2	1	6. Croc, < 1%			1 M S
15 WBS318		1		1. Chry, < 1%		7100	1.00% B
G01		2	1	6. Croc, < 1%			1 M S
15 WBS318		1		1. Chry, < 1%		7100	1.50% B
G02		2	1	6. Croc, < 1%			1 M S

Analyst: [Signature] Date: 5/21/97 Computer: _____ Date: _____

PLM Analysis Worksheet

3

Client: Ecology & Environment, Inc.

Logged: 5/19/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/19/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX971834

Project:

Appearance		Treatment	Asbestos Results	Fibrous	Non-Fibrous	R 1 Low 2 Med 3 High		
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	1. Wavy
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2. Straight
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Anthophyllite	3. Min. Wool	3. Gypsum	3. Specks
4. White	9. Blue	4. Layers (#)	4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate	4. Yes
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix	5. No
					6. Crocidolite	6. Wollastonite	6. Perlite	6. No
					0. None Detected	7. Hair	7. Other	7. No

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	Fibrous %	Non-Fibrous Type	Non-Fibrous %	# Layers	R 1 Low 2 Med 3 High
17 WBS318		1	1	1. Chry, 2			7 98		1.5	B
903		1	1	6. Croc, < 1%					1	S
WBS318		1	1	1. Chry, 2			7 98		2	E
904		1	1	6. Croc, < 1%					1	B
										S
										P
										E
										B
										S
										E
										B
										S
										E
										B
										S
										E
										B
										S
										E
										B
										S
										E
										B
										S
										E

Analyst: [Signature] Date: 5/21/97 Computer: _____ Date: _____

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Wednesday, May 21, 1997

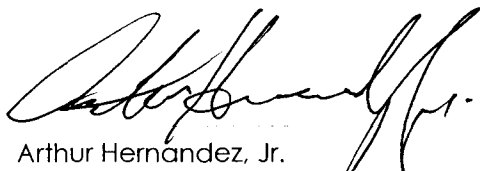
Ref Number: TX971878

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	NONFIBROUS
WBS319G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile Crocidolite		100% Other
WBS307G01		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile Crocidolite		100% Other
WBS386G01		Brown Non-Fibrous Homogeneous	Teased	3%	Chrysotile		97% Other
WBS387G01		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

OFFICIAL

CHAIN OF CUSTODY RECORD

TX971878

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		REMARKS	
Q246P1RAG1		Wastbank Asbestos		1		EPA tag#	
SAMPLERS: (Signature)							
Gregory R. Lammereault							
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION		
WBS341	5-17-97	1035	X		(b) (6)	X	6-008172
WBS307	5-18-97	0910	X		(b) (6)	X	6-008173
WBS336	↓	1010	X		(b) (6)	X	6-008174
WBS351	↓	1015	X			X	6-008175
Lammereault							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Lammereault		5-19-97 1800					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Shipped by: FedEx		Date / Time		Received by: (Signature)		Remarks	
				5-20-97 8:30			
		Airbill Number: 2252235186					

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;

Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/20/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/21/97 9:00 AM

Special Handling

Billing Number

Fax: (504) 363 - 4732

TX971878

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance		Treatment	Asbestos Results	Fibrous	Non-Fibrous		
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Anthophyllite	3. Min. Wool	3. Gypsum
4. White	9. Blue	4. Layers (#)	4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal. Carbonate
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix
					6. Crocidolite	6. Wollastonite	6. Perlite
					0. None Detected	7. Hair	7. Other
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type %	Non-Fibrous Type %	# Layers
WBS319		1		1. Chrys, < 1%		7 100	1.54
GO1		2	1	6. Croc, < 1%			1.56
WBS307	(b) (6)	1		1. Chrys, < 1%		7 100	1.54
GO1		2	1	6. Croc, < 1%			1.56
WBS386		1		1. Chrys, 3%		7 97	1.54
GO1		2	1	1. Croc, < 1%			1.56
WBS387		1		ND		7 100	1.54
GO1		2	1				1.56

Analyst: [Signature] Date: 5/21/97 Computer: _____ Date: _____

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 22, 1997

Ref Number: TX971907

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBB913PILE	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS752G01		Brown Non-Fibrous Homogeneous	Teased	2% < 1%	Chrysotile Crocidolite		98% Other
WBS752G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS752G03		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS913G01		Brown Non-Fibrous Heterogeneous	Teased	2% < 1%	Chrysotile Crocidolite		98% Other
WBS913G02		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

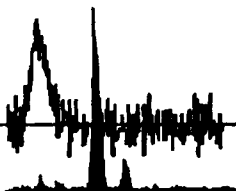


Carlos D. Salinas
Analyst



Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.





Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 22, 1997


Ref Number: TX971907

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

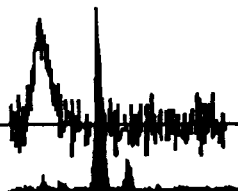
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
WBS913G03	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
				< 1%	Crocidolite		

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Carlos D. Salinas
Analyst


Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.



ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

TX 971907

PROJ. NO. 020601 RAG1		PROJECT NAME Westbank Asbestos		NO. OF CONTAINERS		REMARKS	
SAMPLERS: (Signature) <i>Laurence Rood</i>				STATION LOCATION		EPA Tag #	
STA. NO.	DATE	TIME	COMP.	GRAB	PLM (Asbestos)		
WBS913 FILE	05-20-97	1000	X		(b) (6)	1	X
WBS752 G01	5-20-97	1105	X		(b) (6)	1	X
WBS752 G02		1110	X		(b) (6)	1	X
WBS752 G03		1115	X		(b) (6)	1	X
WBS913 G01	5-20-97	16:30	X		(b) (6)	1	X
WBS913 G02		16:45	X			1	X
WBS913 G03		17:00	X			1	X
<i>Laurence Rood</i>							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
<i>Laurence Rood</i>		5/20/97 18:00					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Remarks	
				<i>[Signature]</i>		5-21-97 8:30	
Shipped by: FED-EX				Airbill Number: 2252235775			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;

Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/21/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/22/97 9:00 AM

Special Handling

Billing Number

Fax: (504) 363 - 4732

TX971907

Project: 020601RAG1 WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous				
1. Brown	6. Various	1. Fibrous	1. Homogeneous	1. Teased	1. Chrysotile	1. Cellulose	1. Quartz	1. Yes	1. Low	1. High	1. B
2. Grey	7. Black	2. Non-Fibrous	2. Heterogeneous	2. Crushed	2. Amosite	2. Glass	2. Mica	2. Straight	2. Med		2. S
3. Tan	8. Silver	3. Other	3. Other	3. Dissolved	3. Arthropylite	3. Min Wool	3. Gypsum	3. Specif	3. High		3. S
4. White	9. Blue		4. Layers (#)	4. Ashed	4. Tremolite	4. Synthetic	4. Cal Carbonate				
5. Red	0. Orange				5. Actinolite	5. Other	5. Matrix				
					6. Crocidolite	6. Wollastonite	6. Perlite				
					0. None Detected	7. Hair	7. Other				

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type %	Non-Fibrous Type %	# Layers
WBS913		1		1. Chry, <1%		7 100	1.54 1.56 B
Pile		2	1				M 1 S
WBS752		1		1. Chry, 2		7 98	2 1 E
G01		2	1	6. Croc, <1%			11R B
		1					M S
WBS752		1		1. Chry, <1%		7 100	P E
G02		2	1				11R B
		1					M S
WBS752		1		1. Chry, <1%		7 100	P E
G03		2	1				11R B
		1					M S
WBS913		1		1. Chry, 2		7 98	P E
G01		2	1	6. Croc, <1%			11R B
		2					M S
WBS913		1		1. Chry, 2		7 98	P E
G02		2	1				11R B
		1					M S
WBS913		1		1. Chry, 2		7 98	P E
G03		2	1	6. Croc, <1%			1.54 1.56 B
		1					M 1 S
							2 1 E
							11R B
							M S
							P E

Analyst:



Date:

5/22/97

Computer:

Date:

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 23, 1997

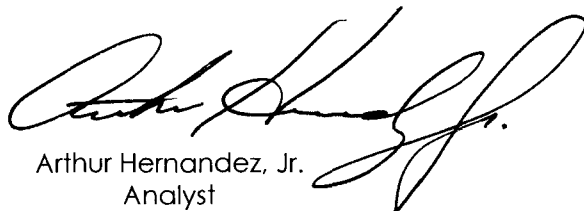
Ref Number: TX971924

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
WBS781G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		100% Other	
WBS781G02		Brown Non-Fibrous Homogeneous	Teased	None Detected		100% Other	
WBS781G03		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		100% Other	
WBS781G04		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile < 1% Crocidolite		100% Other	
WBS315G01		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		100% Other	
WBS315G02		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile		100% Other	

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 23, 1997

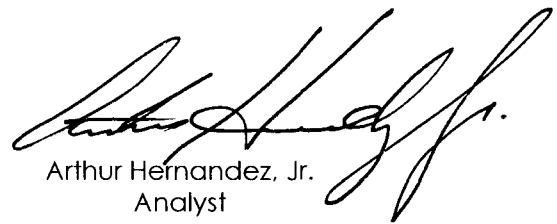
Ref Number: TX971924

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

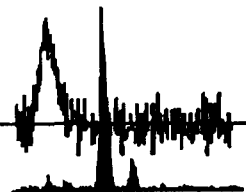
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		%	NONASBESTOS	
				%	TYPE		FIBROUS	% NONFIBROUS
WBS315G03	(b) (6)	Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS434G01		Brown	Teased	2% Chrysotile				98% Other
		Fibrous		< 1% Crocidolite				
		Homogeneous						
WBS434G02		Brown	Teased	< 1% Chrysotile				100% Other
		Non-Fibrous						
		Homogeneous						
WBS451G01		Brown	Teased	3% Chrysotile				97% Other
		Fibrous						
		Homogeneous						
WBS451G02		Brown/White	Teased	4% Chrysotile				96% Other
		Fibrous						
		Homogeneous						
WBS913G04		Brown	Teased	2% Chrysotile				98% Other
		Fibrous						
		Homogeneous						

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Friday, May 23, 1997

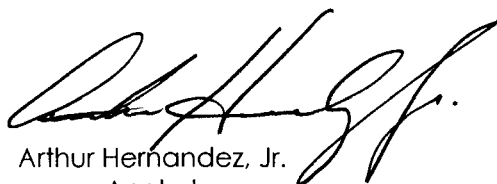
Ref Number: TX971924

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 020601RAG1 WESTBANK ASBESTOS

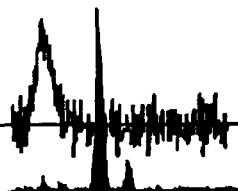
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	NONFIBROUS
WBS913G05	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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OFFICIAL
CHAIN OF CUSTODY RECORD

TX971924

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		REMARKS	
020601 RAG1		Westbank Asbestos		PLM (asbestos)			
SAMPLERS: (Signature)		MCS 2197		Gregory King			
Westbank Asbestos		Lawrence Kelly		Margie Ann			
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	EPA Tag #	
WBS781 G01	5-21-97	0920	X		(b) (6)	6-008195	
WBS781 G02		0923	X			6-008196	
WBS781 G03		0924	X			6-008197	
WBS781 G04		0926	X			6-008198	
WBS315 G01		1002	X		(b) (6)	6-008021	
WBS315 G02		1003	X			6-008023	
WBS315 G03		1015	X			6-008024	
WBS434 G01	5-21-97	1056	X		(b) (6)	6-008022	
WBS434 G02	5-21-97	11:05	X			6-008025	
WBS451 G01		1442	X			6-008033	
WBS451 G02		1445	X			6-008199	
WBS913 G04		1525	X		(b) (6)	6-008200	
WBS913 G05		1530	X			6-008026	
Margie Ann							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Margie Ann		5-21-97 1800					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time	
				Margie Ann		5-22-97 10:30	
Shipped by: Fedex		Airbill Number: 2252235801		Remarks			

Distribution: White Accompanies Shipment; Pink to Coordinator Field File
Green to Report; Yellow Returns with Warrant

Westmont, NJ
609-858-4800

Piscataway, NJ
908-981-0550

Carle Place, NY
516-897-7251

Manhattan, NY
212-290-0052

Seattle, WA
203-233-9007

Ann Arbor, MI
313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Wednesday, May 28, 1997

Ref Number: TX972001

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS % NONFIBROUS
WBS470G01	(b) (6)	Brown Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS470G02		Brown Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS470G03		Brown Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS030G01		Brown Fibrous Homogeneous	Teased	2% Chrysotile < 1% Crocidolite			98% Other
WBS030G02		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

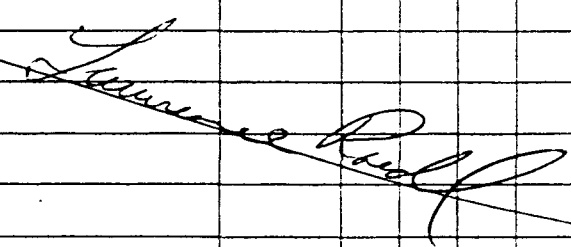
Arthur Hernandez, Jr.
Analyst

Lee Page by TRH
Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL
CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS		REMARKS									
020601RAG1		Westbank Asbestos													
SAMPLERS: (Signature)															
Alma H. Vera Laurence Rodolf Gregory Ray															
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	EPA Tag #									
WBS470 G01	5-23-97	1612	X		(b) (6)	1	X								6-008016
WBS470 G02	↓	1610	X		↓	1	X								6-008017
WBS470 G03	↓	1609	X		↓	1	X								6-008018
WBS030 G01	↓	1647	X		(b) (6)	1	X								6-008041
WBS030 G02	↓	1653	X		↓	1	X								6-008042
															
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Laurence Rodolf		5-23-97 18:00		Steven Oshon 5-27-97											
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)					
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks							
Shipped by: FED-EX				Airbill Number: 2252235823											

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

PLM Analysis Worksheet

Client: Ecology & Environment, Inc.

Logged: 5/27/97

TAT: 24 Hour

Address: 11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Date/Time Due: 5/28/97 9:00 AM

Fax: (504) 363 - 4732

Special Handling

Billing Number

TX972001

Project: WESTBANK ASBESTOS

Appearance				Treatment	Asbestos Results	Fibrous	Non-Fibrous	# Layers	
1 Brown	6 Various	1 Fibrous	1 Homogeneous	1 Teased	1 Chrysotile	1 Cellulose	1 Quartz	1 Yes	1 Low
2 Grey	7 Black	2 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amosite	2 Glass	2 Mica	2 No	2 Med
3 Tan	8 Silver	3 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min Wool	3 Gypsum	3 Specify	3 High
4 White	9 Blue		4 Layers (#)	4 Ashed	4 Tremolite	4 Synthetic	4 Cal. Carbonate		
5 Red	0 Orange				5 Actinolite	5 Other	5 Matrix		
					6 Crocidolite	6 Wollastonite	6 Perlite		
					0 None Detected	7 Hair	7 Other		
Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous Type	%	Non-Fibrous Type	%	# Layers
WBS470	(b) (6)	1	1	1. Chrysotile - 2%			798%		1.549/1.556
G01		1	1	6. Crocidolite < 1%					
G02		1	1	1. Chrysotile - 2%			798%		1.549/1.556
G03		1	1	6. Crocidolite < 1%					
WBS030	(b) (6)	1	1	1. Chrysotile - 2%			798%		1.549/1.556
G01		1	1	6. Crocidolite - < 1%					
G02		2	1	1. Chrysotile < 1%			7100%		1.549/1.556

Analyst:

Date:

05-28-97

Computer:

Date:



Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 29, 1997

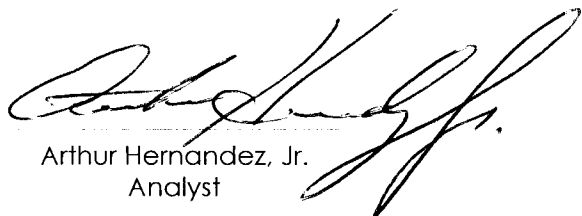
Ref Number: TX972002

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

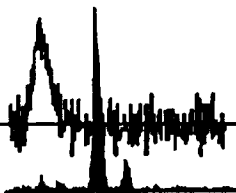
SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	<u>ASBESTOS</u>		<u>NONASBESTOS</u>	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS913G06	(b) (6)	Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS466G01		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS466G02		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS466G03		Brown Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS465G01		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS466G04		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.


Arthur Hernandez, Jr.
Analyst


Approved
Signatory

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Piscataway, NJ
908-981-0550

Carle Place, NY
516-997-7251

Manhattan, NY
212-290-0052

Seattle, WA
203-233-9007

Ann Arbor, MI
313-668-6810

San Mateo, CA
415-570-5401

Smyrna, GA
404-333-6066

Greensboro, NC
910-297-1487

Houston, TX
713-686-3635

EMSL

Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 29, 1997

Ref Number: TX972002

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	FIBROUS NONFIBROUS
WBS473G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS473G02		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS473G03		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other
WBS468G01		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS468G02		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS468G03		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

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Ecology & Environment, Inc.
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Baton Rouge, LA 70816

Thursday, May 29, 1997

Ref Number: TX972002

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	% FIBROUS	% NONFIBROUS
WBS468G04	(b) (6)	Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS468G05		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile < 1% Crocidolite			100% Other
WBS468G06		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other
WBS468G07		Brown Non-Fibrous Homogeneous	Teased	< 1% Chrysotile			100% Other
WBS469G01		Brown Non-Fibrous Homogeneous	Teased		2% Chrysotile		98% Other
WBS464G01		Brown Non-Fibrous Homogeneous	Teased		None Detected		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

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Analyst

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Ecology & Environment, Inc.
11550 Newcastle Ave. #250
Baton Rouge, LA 70816

Thursday, May 29, 1997

Ref Number: TX972002

POLARIZED LIGHT MICROSCOPY (PLM)

Project: WESTBANK ASBESTOS

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS		NONASBESTOS	
				%	TYPE	%	NONFIBROUS
WBS479G01	(b) (6)	Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile		98% Other
WBS479G02		Brown Non-Fibrous Homogeneous	Teased	4%	Chrysotile 1% Crocidolite		95% Other
WBS479G03		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite		98% Other
WBS479G04		Brown Non-Fibrous Homogeneous	Teased	2%	Chrysotile < 1% Crocidolite		98% Other
WBS479G05		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile < 1% Crocidolite		100% Other
WBS479G06		Brown Non-Fibrous Homogeneous	Teased	< 1%	Chrysotile		100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

Arthur Hernandez, Jr.
Analyst

Approved
Signatory

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ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

1 of 2
20F2

PROJ. NO. 020601 RAG1		PROJECT NAME Westbanic Asbestos			NO. OF CON- TAINERS	PLM (Asbestos) PCM (Air)										REMARKS EPA Tag #
SAMPLERS: (Signature) Gregory R Day Alma Kellee Laurence Reed Massimo M																
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION											
WBS413 G06	05-22 97	1335	X		(b) (6)	1	X								6-008027	
WBA468 LF1		0830- 1617		X		1	X								6-008029 V = 1225 1/min	
WBA468 LF2		0832- 1613		X		1	X								6-008030 V = 1145 1/min	
WBA468 LF3		0835- 1617		X		1	X								6-008031 V = 1175 1/min	
WBA468 FB		N/A		X		1	X								6-008032	
WBS466 G01	05-23 97	0907	X		(b) (6)	1	X								6-008034	
WBS466 G02		0910	X			1	X								6-008035	
WBS466 G03		0913	X			1	X								6-008036	
WBS465 G01		0826	X		(b) (6)	1	X								6-008028	
WBS466 G04		0908	X			1	X								6-008037	
WBS473 G01		1024	X			1	X								6-008038	
WBS473 G02		1025	X			1	X								6-008039	
WBS473 G03		1025	X		(b) (6)	1	X								6-008040	
WBS463 G01		1125	X			1	X								6-008001	
WBS468 G02		1130	X			1	X								6-008002	
Relinquished by: (Signature) Laurence Reed		Date / Time 5/23/97 1800		Received by: (Signature) Steven Duhon		Relinquished by: (Signature)		Date / Time		Received by: (Signature)						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)						
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks								
Shipped by: Fed-EX				Airbill Number: 2252235812												

ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL
CHAIN OF CUSTODY RECORD

2052
10F2

PROJ. NO.		PROJECT NAME				NO. OF CON- TAINERS	REMARKS										
020601 RAG		Westbank Asbestos															
SAMPLERS: (Signature)																	
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION												EPA Tag #
WBS468 G03	05.23 97	1136	X		(b) (6)	1	X										6-008003
WBS468 G04		1136	X			1	X										6-008004
WBS468 G05		1141	X			1	X										6-008005
WBS468 G06		1141	X			1	X										6-008006
WBS468 G07		1143	X			1	X										6-008007
WBS469 G01		1135	X		(b) (6)	1	X										6-008008
WBS464 G01		1150	X			1	X										6-008009
WBS479 G01	05/27/97	1250	X			1	X										6-008010
WBS479 G02		1247	X			1	X										6-008011
WBS479 G03		1244	X			1	X										6-008012
WBS 479 G04		1245	X			1	X										6-008013
WBS479 G05		1240	X			1	X										6-008014
WBS479 G06		1242	X			1	X										6-008015
<div style="text-align: right;"> <i>Laurence Rodf</i> </div>																	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
<i>Laurence Rodf</i>		5-23-97 1800		<i>Steven Cohen</i>													
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks									
Shipped by: FED-EX				Airbill Number: 2252235812													